

EASTERN KENTUCKY STATE TEACHERS COLLEGE



RICHMOND, KENTUCKY

CATALOG

1940-41

ANNOUNCEMENTS FOR 1941-42

"Go to College in Kentucky"

BULLETIN

EASTERN KENTUCKY STATE TEACHERS COLLEGE



CATALOG NUMBER
1940-41

ANNOUNCEMENTS FOR 1941-42

RICHMOND, KENTUCKY

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A STANDARD
FOUR-YEAR TEACHERS COLLEGE

Holding Membership in

Kentucky Association of Colleges and Secondary Schools

American Association of Teachers Colleges

Southern Association of Colleges and Secondary Schools

and

American Council on Education

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IMPORTANT COLLEGE DATES

REGULAR SESSION 1940-41

First Semester

September 17, 18, 19, 20, 21		Registration and classification of freshman students
September 23	Monday	Registration of upper classmen
September 30	Monday	Last day to register for full load
October 7	Monday	Last day to register for credit
December 20	Friday	Christmas vacation begins
January 2	Thursday	Class work resumes at the first period
January 31	Friday	Semester closes

Second Semester

February 3	Monday	Registration
February 10	Monday	Last day to register for full load
February 17	Monday	Last day to register for credit

Spring Term

April 7	Monday	Registration
April 9	Wednesday	Last day to register for full load
April 12	Saturday	Last day to register for credit
June 6	Friday	Semester closes

SUMMER SESSION 1941

First Term

June 16	Monday	Registration
June 18	Wednesday	Last day to register for full load
June 21	Saturday	Last day to register for credit
July 4	Friday	Holiday
July 18	Friday	Term closes

Second Term

July 21	Monday	Registration
July 23	Wednesday	Last day to register for full load
July 26	Saturday	Last day to register for credit
August 22	Friday	Term closes

REGULAR SESSION 1941-42

First Semester

September 17, 18, 19, 20		*Admission and classification of freshmen
September 22	Monday	Registration of upper classmen
September 29	Monday	Last day to register for full load
October 6	Monday	Last day to register for credit
November 20	Thursday	Thanksgiving (Holiday)
December 20	Saturday	Christmas holiday begins at noon
January 5	Monday	Class work resumes at the first period
January 30	Friday	Semester closes

* Freshman students are expected to be present at 8:30 a. m., Wednesday, September 17, and remain for the entire period set aside for admission and classification of freshmen.

CALENDAR

1940

July

S	M	T	W	T	F	S
....	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	....	....	....

August

....	....	....	....	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
....

September

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	....	....	....	....	....
....

October

....	....	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	....	....

November

....	....	....	....	....	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
....

December

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	....	....	....	....

1941

January

S	M	T	W	T	F	S
....	....	....	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	....

February

....	....	....	....	....	....	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	....

March

....	....	....	....	....	....	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	....	....	....	....	....

April

....	....	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	....	....	....

May

....	....	....	....	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
....

June

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	....	....	....	....	....

July

S	M	T	W	T	F	S
....	....	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	....	....

August

....	....	....	....	....	....	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	....	....	....	....	....

September

....	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	....	....	....	....
....

October

....	....	....	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	....

November

....	....	....	....	....	....	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	....	....	....	....	....	....

December

....	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	....	....	....

Second Semester

February 2	Monday	Registration
February 9	Monday	Last day to register for full load
February 16	Monday	Last day to register for credit

Spring Term

April 6	Monday	Registration
April 8	Wednesday	Last day to register for full load
April 11	Saturday	Last day to register for credit
June 5	Friday	Semester closes

SUMMER SESSION 1942

First Term

June 15	Monday	Registration
June 17	Wednesday	Last day to register for full load
June 20	Saturday	Last day to register for credit
July 4	Saturday	Holiday
July 17	Friday	Term closes

Second Term

July 20	Monday	Registration
July 22	Wednesday	Last day to register for full load
July 25	Saturday	Last day to register for credit
August 21	Friday	Term closes

REGULAR SESSION 1942-43

First Semester

September 16, 17, 18, 19		*Admission and classification of freshmen
September 21	Monday	Registration of upper classmen
September 28	Monday	Last day to register for full load
October 5	Monday	Last day to register for credit
November 19	Thursday	Thanksgiving (Holiday)
December 19	Saturday	Christmas holiday begins at noon
January 4	Monday	Class work resumes at the first period
January 29	Friday	Semester closes

Second Semester

February 1	Monday	Registration
February 8	Monday	Last day to register for full load
February 15	Monday	Last day to register for credit

Spring Term

April 5	Monday	Registration
April 7	Wednesday	Last day to register for full load
April 10	Saturday	Last day to register for credit
June 4	Friday	Semester closes

* Freshman students are expected to be present at 8:30 a. m., Wednesday, September 16, and remain for the entire period set aside for admission and classification of freshmen.

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Mus. B., Oberlin College; additional work, La Follette School of Music, New York.

VIRGINIA F. STORY, B. S., M. A. Assistant Professor of Elementary
Education; Supervising Teacher,
Elementary Training School

Diploma, Eastern Kentucky State Teachers College; B. S., M. A., George Peabody College for Teachers.

BROWN E. TELFORD, B. S. Assistant Professor of Music;
Teacher of Piano and Organ

Diploma, Greenbrier College for Women; student, Cincinnati Conservatory of Music, New York School of Music and Arts, New England Conservatory of Music; B. S., Columbia University.

MRS. JULIAN TYNG, B. S., M. A. Associate Professor of Education

Diploma, Eastern Kentucky State Normal School and Teachers College; B. S., George Peabody College for Teachers; graduate work, George Peabody College for Teachers; M. A., Teachers College, Columbia University.

JAMES E. VAN PEURSEM, A. B., B. Mus., M. A. Associate Professor of Music

A. B., Morningside College; B. Mus., Oberlin College; M. A., New York University.

SAMUEL WALKER, A. B., A. M. Assistant Professor of History;
Supervising Teacher, Model High School

A. B., Maryville College; A. M., University of Kentucky.

RALPH W. WHALIN, B. S., M. Ed. Associate Professor of Industrial Arts

B. S., Western Kentucky State Teachers College; M. Ed., University of Missouri.

ELIZABETH WILSON, B. S., M. A. Assistant Professor of Elementary
Education; Supervising Teacher,
Elementary Training School

Diploma, Martin College; B. S., M. A., George Peabody College for Teachers.

GERMANIA J. WINGO, B. S., M. A. Assistant Professor of Elementary
Education; Supervising Teacher,
Elementary Training School

Diploma, Virginia State Normal School; Diploma in critic work, Columbia University; B. S., M. A., Teachers College, Columbia University; additional graduate work, University of Colorado.

LIBRARY STAFF

✓ MARY FLOYD, A. B., M. A., B. S. in Library Service Librarian
A. B., Eastern Kentucky State Teachers College; M. A., Teachers College, Columbia University; graduate student, University of Chicago; B. S. in Library Service, Columbia University.

ISABEL BENNETT, A. B., B. S. in Library Science Assistant Librarian
in Charge of Circulation
A. B., University of Kentucky; B. S. in Library Science, Columbia University.

✓ IDA GREENLEAF, A. B., B. S. in Library Science Assistant Librarian
in Charge of Training School Library
A. B., University of Kentucky; B. S. in Library Science, George Peabody College for Teachers.

✓ FRANCIS MASON, A. B., A. B. in Library Science Assistant Librarian
in Charge of Cataloging
A. B., Eastern Kentucky State Teachers College; A. B. in Library Science, Emory University.

MRS. LUCILE WHITEHEAD, B. S., B. S. in Library Science
Assistant Librarian in Charge of Reference Work
B. S., B. S. in Library Science, George Peabody College for Teachers.

*Go to administrative
staff*

COMMITTEES

ALUMNI

Beckley, Allen, Adams, Barksdale, Broadus, Case, Coates, Evans, Fitz, Floyd, Lingenfelter, McKinney, Moore, Neale, Norsworthy, Park, Regenstein, Richards, Story, Tyng

ATHLETICS

McDonough, Coates, Farris, Park, Hummel

CREDITS AND CREDENTIALS

Mattox, Carter, Clark, Cuff, Gumbert, Herndon, Jones, Lee, Park

CURRICULUM

Jones, Clark, Cox, Dix, Edwards, Farris, Giles, Hummel, Keith, Kennamer, McDonough, Mattox, Moore, Murbach, Park, Rumbold, Van Peursem, Whalin, and four students

ENTRANCE EXAMINATIONS

Moore, Barnhill, Burns, Gill, Jones, McKinney, Mattox, Walker

EVALUATION

Coates, Adams, Beckley, Cox, Cuff, Ford, Herndon, Jenkins, Keene, Lee, McDonough, and four students

EXTENSION

Carter, Adams, Dorris, Engle, Hembree, Jones, Mattox

FINE ARTS AND ENTERTAINMENT

Farris, Buchanan, Campbell, Giles, Kennamer, Kinzer, Murbach, SeEVERS, Stone, Telford, Tyng, Van Peursem, and four students

GRADUATE INSTRUCTION

Jones, Clark, Coates, Giles, Hummel, Keith, Kennamer, McDonough, Moore, Park, Schnieb

GRADUATION

Kennamer, Case, Farris, Hummel, Jenkins, Jones, Keith, Mattox

LIBRARY

Floyd, Allen, Edwards, Hager, Herndon, Hughes, Jenkins, Jones, Keene, LaFuze, Lee, McKinney, two juniors and two seniors

PLANS AND PROGRAMS

Moore, Carter, Clark, Dix, Edwards, Farris, Floyd, Giles, Hummel
Keith, Kennamer, Mattox, Murbach, Park, Van Peurse, Walker,
Whalin, and four students

PUBLIC RELATIONS

Beckley, Allen, Coates, Deniston, Ford, Keene, Kennamer, Kinzer,
Lee, Moore, Whalin, and four students

RURAL EDUCATION

Ferrell, Case, Dorris, Edwards, Engle, Evans, Hansen, Hughes, Lin-
genfelser, Regenstein, Tyng, and four students

SOCIAL

Case, Allen, Beckley, Cherry, Dix, Glover, Hummel, Keith, Lee,
Tyng, and eight students

STUDENT GUIDANCE AND PERSONNEL

Jones, Case, Coates, Cuff, Edwards, Farris, Grise, Keith, LaFuze, Lee,
Mattox and Wingo

STUDENT LOANS, SCHOLARSHIPS AND FELLOWSHIPS

Cuff, Brock, Case, Cox, Keith, McDonough, Rankin, Schnieb

STUDENT UNION COMMITTEE

Chenault, Ballou, Case, Jones, McIlvaine, and five students

STUDENT WELFARE, DISCIPLINE AND GRIEVANCES

Donovan, Floyd, Jones, Lee, McDonough, Park, Whalin

TRAINING SCHOOL

Edwards, Allen, Alvis, Covington, Evans, Greenleaf, Houtchens,
LaFuze, Lingenfelser, McCarthy, O'Donnell, Rush, Story, and four
students

VISUAL EDUCATION

Gumbert, Dorris, Fitz, Floyd, LaFuze, Mattox, Rumbold, Tyng

Mr. & Mrs.

ADMINISTRATIVE STAFF

G. M. BROCK, Business Agent

W. A. AULT, Superintendent of Buildings and Grounds

FRED BALLOU, Book Store Manager

MRS. MARTHA C. BARKSDALE, A. B., Recorder, Registrar's Office

SAM BECKLEY, A. B., Assistant Director of Extension

✓ MRS. INEZ McKINLEY BLAIR, Assistant to the Business Agent

✓ MRS. ETHEL BLANTON, Housekeeper, Burnam Hall

LOUISE BROADDUS, A. B., Stenographer, President's Office

✓ MRS. KATHARINE CHENAULT, A. B., Hostess, Student Union Building

LOIS COLLEY, Assistant to Alumni Secretary

✓ ANNA MEADE GRAHAM, B. S., Secretary to Director of Extension

✓ MRS. RUTH FLANARY GRIBBIN, Secretary to Registrar

MRS. BESSIE H. GRIGGS, Information Clerk

MRS. C. A. KEITH, Housekeeper, Men's Dormitory

E. P. McCONNELL, Bookkeeper

EDITH L. McILVAINE, Supervisor of Cafeteria

KATHRYN McNUTT, Secretary to Business Agent

KATHERINE MORGAN, Secretary to the President

✓ MRS. GLADYS K. NORSWORTHY, B. S., Cashier

MRS. HELEN W. PERRY, Assistant to Director of Personnel

✓ VIRGINIA STITH, B. S., Stenographer, Dean's Office

JENNIE MAE TRIGG, B. S., Assistant Supervisor of Cafeteria

MAYE M. WALTZ, Secretary to the Dean

NORRINE WASSON, B. S., Assistant Supervisor of Cafeteria

EDNA WHITE, Registered Nurse

EUNICE WINGO, Secretary to the Dean of Women

AFFILIATED TRAINING SCHOOLS

RICHMOND CITY SCHOOLS

Madison High School

W. F. O'DONNELL, A. B., M. A.....	Superintendent of Schools
A. L. LASSITER, B. S., M. A.....	Principal
MRS. PARK N. BALDWIN, A. B.....	English
KENNETH CANFIELD, B. S.....	Auto Mechanics
RALPH CARLISLE, A. B.....	History
MARY LOUISE COVINGTON, A. B., M. A.....	Languages
RUTH ECTON, A. B.....	Music
NANCY EVANS, A. B., M. A.....	English
J. A. KUNKEL.....	Attendance Officer
JANE MELTON, B. S., M. S.....	Home Economics
HARVEY K. MEYER, A. B.....	Industrial Arts
JESSE MOBERLY, A. B., M. A.....	Mathematics
JAMES RICHARDSON, B. S., M. A.....	Science
LOUISE RUTLEDGE, A. B.....	Librarian

Junior High School

RU BEE, A. B.....	English, Seventh-Eighth Grades
MABEL KUNKEL, A. B.....	Geography, Seventh-Eighth Grades
MOSSIE STOCKER, A. B.....	History, Seventh-Eighth Grades
HORTENSE WILLOUGHBY, A. B.....	Mathematics, Seventh-Eighth Grades

Elementary School

VIDA BOND, B. S.	First Grade
MABEL DUDLEY, A. B., B. Mus.....	Sixth Grade
NORMA DYKES, A. B.....	Third Grade
IDA MAE HASTIE, B. S.....	Third Grade
GENEVA McCARTHY, B. S.....	Second Grade
MRS. GEORGIANA McGLOSSON, A. B., M. A.....	Sixth Grade
CURTIS McKINNEY	Second Grade
MARGARET RISK	Fifth Grade
SUE SCRIVENER, A. B.....	First Grade
DOROTHY SHAWHAN	Fourth Grade
MARGARET TELFORD, A. B., M. A.....	Fourth Grade
WILL TRAYNOR	First Grade
LEIGH WHITE	Fifth Grade
JOSEPHINE YATES, A. B.....	Second-Third Grades

GENERAL INFORMATION

AIMS OF THE COLLEGE

- A. The primary aim of Eastern Kentucky State Teachers College is to prepare teachers for the schools of Kentucky. In accomplishing this aim the college should develop in the prospective teacher:
 1. As a general basis for all good teaching an understanding of what is going on in the world and what has gone on in the past and the ability to adapt such understanding to situations that may arise for him as a member of society,
 2. A number of more or less specialized understandings such as:
 - a. An understanding of the function of education in a democratic society. It may be assumed that the success of a democratic society is dependent upon a wide dissemination of such education as will enable its citizens to meet situations and solve problems that may arise in a changing society.
 - b. An understanding of the relation of the individual to society in a democratic society. It may be assumed that the integrity of character of the individual and the inseparability of freedom and responsibility, of rights and duties, constitute the very foundation of democracy.
 - c. An understanding of child behavior at the different age periods.
 - d. An understanding of the social forces at work upon the child.
 - e. An understanding of child health, both physical and mental, in the learning process.
 - f. An understanding of the influence of the physical and mental health of the teacher upon the child.

- g. An understanding of the importance of the teacher's patterns of conduct.
 - h. An understanding of the function of the arts in the education of the teacher. It should be recognized that the arts have power to release emotional tensions, and thereby promote health, and to develop esthetic insights and a sensitiveness to beauty and ugliness.
 - i. An understanding of the function of the sciences in the education of the teacher. Such understanding should be of great service in helping him make use of the resources of the community and developing open-mindedness and an inclination to distinguish between belief and proof.
 - j. An understanding of the importance of the social development of the teacher. This would include such attitudes and abilities as willingness and ability to cooperate with one's colleagues, a desire for wholesome recreation, and the willingness and ability to make the use of good English habitual.
 - k. An understanding of the importance of the sensitivity and adaptability of the teacher to the possibilities of the community.
 - l. An understanding of the various learning processes and the corresponding teaching techniques.
 - m. An adequate understanding of the particular area of experience or field of subject matter which the student has selected to teach.
 - n. An understanding of what constitutes good teaching.
- B. Another aim is to furnish guidance and to provide instruction in vocations other than teaching.
- 1. The selection of the best students for prospective teachers:
 - a. By encouraging such high school graduates to

- come to Eastern as have been recommended by superintendents and principals.
- b. By selecting from the students enrolled only such as possess or may develop good qualities for teachers.
 2. The furnishing of counsel and guidance for vocations to the students who do not expect to teach or are not suited to teaching.
 3. The providing of instruction for those students who are not preparing to become teachers.
 - a. Basic education approximately the same as for teachers.
 - b. Pre-professional for medicine, law, engineering, etc.
 - c. Vocational studies such as may be pursued in the fields of agriculture, commerce, and the practical arts.
 4. The providing of vocational education for adults.
- C. A third aim of Eastern is to make a real contribution to the life of the community or area which the college serves:
1. By preparing only worthy teachers.
 2. By conducting extension courses (either on the campus or off), or study centers when requested.
 3. By furnishing expert advice or other assistance at teachers' conferences.
 4. By supplying speakers for high school commencements and other community activities.
 5. By keeping a personal interest in the graduates and encouraging professional and intellectual growth.
 6. By keeping in close touch with the needs of the teachers in the field and by being ready to give assistance to the teachers.
 7. By holding on the college campus conferences for the further development of leaders.
 8. By supplying to the teachers of the community which the college serves library materials and other materials such as visual aids.

GROWTH OF EASTERN KENTUCKY STATE TEACHERS COLLEGE

The year the State of Massachusetts established normal schools for the preparation of teachers, Kentucky established a public school system. The first Superintendent of Public Instruction of Kentucky in his initial report requested the General Assembly for "the founding of one or more normal schools for the purpose of training the sons of the soil for teaching." Fifteen different state superintendents appeared before more than thirty sessions of the Legislature making the same plea for a school for teachers. Sixty-eight years passed before the General Assembly of 1906 heeded this request. The late J. C. W. Beckham, Governor of the State at that time, signed the bill establishing the Eastern Kentucky State Normal School on March 21, 1906, and shortly after this a commission selected the campus of old Central University at Richmond as the site of the new school.

Founded in a period when popular education was viewed with disfavor by many as a form of charity, the school immediately launched itself into the task of training teachers in order that the burden of illiteracy and ignorance might be lifted from the State. Kentucky was in 1906 one of two states in the Union not providing state normal schools, and only three states showed a greater percentage of ignorance among their white population.

When Eastern was established the average education of a Kentucky school teacher was seventh grade. Today the average teacher of the State has attended college three years, and over two thirds of the teachers are college graduates. Eastern is one of the several educational agencies of the State that have brought about the change in teacher education.

The curriculum has been improved from the short review and certificate courses of the first years to a four-year curriculum leading to the bachelor of arts or the bachelor of science degree, and a one-year graduate curriculum leading to the master of arts degree in education. Requirements for college entrance have been raised from eighth grade graduation or possession of any kind of certificate to graduation from an accredited high school.

Four presidents have contributed to the building of Eastern. The first was Ruric Nevel Roark, a distinguished author and educator, whose untimely death in 1909 ended his brilliant career. Mr. Roark was succeeded by John Grant Crabbe, who was at the time of his appointment Superintendent of Public Instruction. Dynamic, aggressive, and energetic, President Crabbe greatly increased the popularity of the new school with the people. In 1916 he resigned to accept the presidency of the Colorado State Teachers College and was succeeded by T. J. Coates, State Supervisor of Schools.

Under President Coates' administration new buildings began to appear, the faculty was increased, and the course of study was extended. At the beginning of his administration the institution was receiving \$75,000 annually for operation and maintenance. Twelve years later, at the time of his death, the appropriation was \$307,000.

H. L. Donovan was appointed president in 1928 and is still serving in that capacity. During the administration of President Donovan the college has grown rapidly and attained a place of national prominence in the professional world.

LOCATION

Eastern Kentucky State Teachers College is in Richmond, Madison County, Kentucky, on the main line of the L. & N. Railway, 112 miles south of Cincinnati, Ohio; on the Dixie Highway (U. S. No. 25), 26 miles southeast of Lexington; on U. S. Highway No. 227; and on Kentucky Highway No. 52.

Located on the southeastern rim of the famous Bluegrass Region of Kentucky, the college is surrounded by places of historic and scenic interest. These places of interest include: Boonesboro (12 miles), Harrodsburg and Shaker-town (45 miles), Herrington Lake (35 miles), Cumberland Falls (100 miles), Frankfort State Capitol (55 miles), Berea College (14 miles), Kentucky Natural Bridge State Park (63 miles), My Old Kentucky Home (85 miles), Louisville (100 miles), Lincoln Memorial (110 miles), the foothills of the Cumberland Mountains (20 miles), and the famous stock farms in the heart of the Bluegrass Region (26 miles).

THE CAMPUS

Eastern began its career in 1906 with three buildings on thirty acres of bluegrass land. The buildings included the University Building, Memorial Hall, and a gymnasium.

University Building

The University Building, a handsome, four-story brick structure, was constructed in 1874 and as a result of excellent repair work still stands, serving as well as when it was built more than sixty-six years ago. It stands as a landmark on the campus, housing a part of the high school division of the Eastern Teachers College Training School.

Memorial Hall

Memorial Hall, which was first used as a dormitory for women and later as a dormitory for men, was razed in 1938, after fifty-five years of splendid service, to make room for a new dormitory for men.

Gymnasium

The third building in the original plant, a gymnasium, served Eastern until 1920, when it was destroyed by fire.

In 1909 three additions were made to the college plant: Ruric Nevel Roark Building, Sullivan Hall, and a power plant. Other additions have been made as needed.

Roark Building

Roark Building has recently been completely repaired and redecorated. It provides excellent housing facilities for the departments of mathematics, chemistry, biology, physics, geography, and geology. It was named in honor of Dr. Ruric Nevel Roark, Eastern's first president.

Sullivan Hall

Sullivan Hall is a dormitory for women and accommodates approximately 158 women students. It has been kept in good repair throughout the years and is a comfortable and convenient home for the girls who choose to live there.

Power Plant

The power plant serves as a central heating unit for all the buildings on the campus. It provides a uniform supply of heat for all parts of the physical plant.

President's Home

The substantial, two-story brick residence which today serves as the President's home was constructed in 1889 as a residence for the Chancellor of Central University but did not become the property of the college until 1912. It has recently been redecorated and is in an excellent state of repair.

Cottages

In 1914 the college purchased a group of cottages on the east side of the campus which were then collectively called Faculty Row. Two of these cottages are still serving the college as residences for the college physician and the superintendent of buildings and grounds.

Cammack Building

The James W. Cammack Building was constructed in 1918 and named for a man who was appointed to the first Board of Regents for the college in 1906 and who remained on the Board as an efficient and faithful servant until his death in 1939. The building is designed and used entirely for the elementary grades of the college training school.

Memorial Hall Annex

Memorial Hall Annex was built in 1920. It has recently been remodeled and now provides convenient dormitory accommodations for 60 men.

Burnam Hall

The first section of Burnam Hall, a dormitory for women, was completed in 1920. An addition to this building was constructed in 1926 and still another section was built in 1940. The entire structure provides beautiful, comfortable living quarters for 370 women. It is fireproof. Most of the rooms are arranged in suites of two with a connecting bath. A few rooms have private baths. Prospective students are

invited to inspect rooms in either Burnam Hall or Sullivan Hall at their convenience. These buildings are open practically every day in the year.

Crabbe Library

In 1923 the original section of the John Grant Crabbe Library was built. The building was enlarged to its present size in 1935. It houses over 60,000 volumes, 4,000 of which are in a special collection of Kentuckiana, and several hundred periodicals. The John Wilson Townsend Collection of Kentuckiana is one of the most extensive of its kind in existence. The library was named in honor of Eastern's second president, John Grant Crabbe, who served the institution from 1909 to 1916.

Stateland Farm

New Stateland Farm, containing 148.63 acres, was purchased by the college in 1923. This increased the tract of land owned by the college to 188.89 acres. As a result of the purchase of three additional tracts of adjoining land, New Stateland Farm now includes 182.88 acres and the total college-owned acreage is now 223.8. The farm is used as a laboratory by the department of agriculture. A large portion of the vegetables, fruits, and dairy products from the farm are used in the college cafeteria. The farm is the home of one of the finest purebred Holstein dairy herds in the country. New Stateland Hall is located on the farm and is used as a residence by the farm manager and as a men's dormitory.

Coates Administration Building

The Thomas Jackson Coates Administration Building was constructed in 1928 and named in honor of Eastern's third president who was head of the college from 1916 to 1928. This building is the center of administration for Eastern Kentucky State Teachers College. Visitors who are unacquainted with the college will find their way about the campus more easily by reporting to this building first for information. The offices are open from 7:30 to 12:00 and from 1:00 to 4:30 each week day except Saturday. The

offices are closed Saturday afternoon and all day Sunday. The offices of the president, dean, registrar, business agent and some of the department heads are in this building.

Rural Demonstration School

The Rural Demonstration School was built in 1929. It serves as a laboratory in which students who plan to teach in the one-room rural schools of the State may get practical experience.

Hiram Brock Auditorium

The Hiram Brock Auditorium adjoins the Administration Building and might be considered a part of it. It was built in 1930 and has a seating capacity of 2,000. This auditorium has a stage 40 feet by 30 feet, equipped with a large number of curtains and drops, a modern movie projection room, and a Hammond electric organ. The auditorium building also contains ten studios, dressing rooms, and three classrooms.

Weaver Health Building

The Weaver Health Building, constructed in 1931, is named for the late Charles F. Weaver of Ashland, Kentucky, who served on the Board of Regents at Eastern from 1920 to 1932. It is one of the largest and best equipped buildings on the campus. In it there are two gymnasiums, one 110 feet by 90 feet and one 74 feet by 40 feet, a large variety of physical education apparatus, an official-size tile swimming pool equipped with machinery for heating, filtering, and purifying all water that enters the pool, more than 1,200 steel lockers for the use of the students, offices of the college physician and members of the physical education staff, several classrooms, ROTC headquarters, and the bacteriology laboratory.

Hanger Stadium

Hanger Stadium was built in 1936. The college received this valuable addition to the plant as a gift from students, faculty, and friends of the college, supplemented by a PWA grant. This concrete, steel, and tile structure has dormitory accommodations for thirty men students, offices for coaches, dressing and equipment rooms, and showers. The seating capacity is 5,000.

Beckham Hall, McCreary Hall, Miller Hall

The new dormitory for men is, strictly speaking, three separate buildings: McCreary Hall, Miller Hall, and Beckham Hall. Each section provides the very finest dormitory accommodations for 48 men. Total capacity of the three wings is 144. The rooms are arranged in suites of four with one adjoining bath. For each pair of such sections, one above the other, there is a private outside entrance. There are no halls except those necessary to connect each group of four rooms with the outside entrance and the bath. This dormitory was completed in 1939. Prospective students are urged to inspect the building at their convenience. It is open every day in the week, including Sunday. The new dormitory and the stadium and Memorial Hall Annex, already referred to, provide accommodations for 234 men. Beckham Hall is named for the late J. C. W. Beckham, who was governor of Kentucky when Eastern Teachers College was founded. McCreary Hall is named for James B. McCreary, a Richmond citizen, who twice served the state as chief executive. Miller Hall is named for Robert W. Miller, a Madison Countian, who introduced in the lower house of the General Assembly a bill establishing Eastern.

Fitzpatrick Arts Building

The Fitzpatrick Arts Building was constructed in 1939 and houses three departments of the college: industrial arts, home economics, and art. Modern machinery and the latest teaching equipment are available to students taking work in any of the departments housed in this building. It is named for the Honorable H. D. Fitzpatrick who is a member of the Board of Regents of the college.

Home Economics Practice House

The home economics practice house is a two-story, nine-room house which was purchased by the college in 1940 and remodeled to provide comfortable and convenient facilities for those students in the home economics department who take the laboratory course in home management. Here the girls live and work together for about nine weeks,

co-operatively preparing their own meals, marketing, entertaining their guests, and making a delightful home for themselves.

Johnson Student Union Building

Eastern's newest and finest building is the Keen Johnson Student Union Building. It was opened in February, 1940. No better statement concerning the uses of this building could be found than that expressed in the dedication:

"To the sacred fostering of beautiful friendships, unchanging in their devotion; to the daily formation of character to be used as a shield against the uncounted fears and accusations of an unknown world; to culture, that attribute of an abundant life, measured by its utility and bringing about universal concord and beauty of action; to the pursuit of happiness, a happiness of graceful courtesies, snatches of lilting conversations, the music of young voices and young laughter, and the everyday delight in beautiful things; to life together, its countless intimacies, its ceaseless energies, its consistency, co-operation, and clearness of vision; to the youth that were, to the youth that are, to the youth that will be,

WE DEDICATE THIS BUILDING."

Student and faculty club rooms, recreation halls, Little Theatre, student post office, bookstore, soda fountain and grill, dining halls, and a spacious reception room are the physical features of the building designed to accomplish the fine purposes set forth in the dedication. It was named in honor of Kentucky's present governor who has served on the Board of Regents since 1936.

Today the college plant includes eighteen beautiful and well-equipped buildings located on more than 223 acres of bluegrass land, valued at approximately \$3,250,000, all of which is dedicated to the free public education of the youth of Kentucky.

EXPENSES

The total expenses for one semester of 18 weeks at Eastern need not exceed \$135.00. This figure is based on the following itemized statement: Incidental fee, \$25.00; board, \$63.00; room rent, \$30.00; books and supplies, \$12.00; and miscellaneous fees, \$5.00. Since room, board, and books are variables, it is possible for one's expenses to be either more or less than the above estimate. Room rent varies from \$1.00 per week to \$2.25 for the girls, and from \$1.50 to \$2.25 for the boys. Students living in the dormitories are expected to take their meals in the college cafeteria. The board, therefore, depends on the individual needs and desires of the student. Board varies from \$3.00 to \$5.00 per week.

Students wishing to take private music lessons must also add the music fees to the above estimate in calculating the total expenses for a semester. Music fees are listed in the section of this catalog dealing with music courses.

Expenses for terms of less than 18 weeks are approximately proportional to those for 18 weeks. For example, the expenses for a five-week term are approximately one third as much as for those for an 18-week term, and for a 9-week term about one half as much as for 18 weeks.

Approximately one half of the expenses due for a semester must be paid at the time of enrollment. The remainder of the amount due is paid in three installments equally spaced throughout the semester.

All expenses for a summer term or spring term are to be paid at the time of enrollment.

Miscellaneous Fees.—The item of miscellaneous fees listed in the above estimate of total expenses includes several small fees which are here listed and explained. It should be remembered that a student does not necessarily have to pay every fee that is here listed. The number of fees which a student must pay is determined largely by the courses taken.

Tuition—Tuition Is Free to Residents of Kentucky.—The tuition for nonresidents of Kentucky is \$15.00 per semester of 18 weeks, \$7.50 for 9 weeks, and \$7.50 for 5 weeks.

Laboratory Fees.—The fees to be paid for laboratory courses are indicated in connection with descriptions of these courses in another part of this catalog. Laboratory fees cover the cost of materials and laboratory service furnished.

Breakage Deposit.—Students who enroll for courses in biology, chemistry, geology, physics, and for laboratory courses in health are required to pay a breakage deposit of \$2.00 per course. In case of breakage or damage to laboratory apparatus, deductions are made from this deposit to cover such damage. This deposit is refunded at the end of the semester.

Locker, Lock, Towel, Uniform Rental, and Laundry Service.—Students who use lockers in the Weaver Health Building are required to pay a rental of \$2.25 per semester or term for use of locker, combination lock for locker, and towel. This fee includes laundry service for towels, bathing suits and gymnasium uniforms for the entire semester or term.

Fee for Use of Radio.—Students who own radios and use them in the dormitory rooms are required to pay a fee of \$1.00 per semester or term to cover the cost of operation.

Laundry and Linen Service Fee.—Students who occupy dormitory rooms pay a fee of \$2.00 for each semester, \$1.00 for the nine-week spring term, and \$1.00 for each five-week summer term for laundry and linen service. This fee covers the rental charge for sheets and pillow cases furnished by the college and provides laundry service for them.

Athletic Fee.—Students who enroll for the fall semester pay an athletic fee of \$2.00 for the school year. Students who enter the institution at the beginning of the second semester pay an athletic fee of \$1.00 for the semester.

Fee for Late Registration.—Students who register after the first two days of a semester or term are required to pay a late registration fee of \$2.00.

Fee for Change of Schedule.—A fee of \$1.00 will be charged for each voluntary change which a student makes in his schedule after it has been prepared and approved at the time of registration.

Graduation Fee.—Each student who receives the baccalaureate degree pays a fee of \$7.50. This fee covers cost of

diploma, cap and gown rental, and other expenses incidental to graduation.

Special Examination Fee.—Students to whom it is necessary to give a special examination after the regular scheduled time for same will be charged a fee of 50c. A special examination is defined as any examination other than examinations for entrance, course examinations, and examinations for advanced standing.

Fee for Transcript.—Each student will be given one transcript of his work without charge. There will be a fee of \$1.00 for each additional transcript after the first one has been furnished.

OPPORTUNITY FOR STUDENT EMPLOYMENT

A limited number of students may earn a part of their expenses by doing various kinds of jobs for the college cafeteria, book store, post office, dormitories, information office, farm, etc. Some students may also secure part-time employment in Richmond stores, restaurants, and other business establishments.

Students are advised not to enter expecting employment of this kind unless they have arranged for it in advance. All applications for student employment should be addressed to: The Dean, Eastern Kentucky State Teachers College, Richmond, Kentucky. As a general rule students should enter Eastern prepared to pay all their expenses for at least one semester.

LOANS, SCHOLARSHIPS, AND SPECIAL AWARDS

Loans.—The student loan fund of the Eastern Kentucky State Teachers College is designed to help worthy students complete their education. It has been augmented from time to time by gifts from different individuals and organizations and is being increased annually. Small loans are available to upper-class students. Those having high scholarship records will be given preference in the granting of loans. This fund makes it possible for a worthy student to borrow a small amount of money on a personal note at a legal rate of interest. Students who desire further information concerning this fund should get in touch with the Chairman of the Student Aid Committee.

William Davis Scholarships.—Under the provisions of the will of the late William Davis of Newport, Kentucky, a sum of money was left for the benefit of students living in the Lona Estella Davis school district of Rowan County, to be used as scholarships at the Eastern Kentucky State Teachers College. These scholarships of \$200.00 each are awarded by the superintendent of Rowan County Schools and the president of the Eastern Kentucky State Teachers College. A student desiring to secure one of these scholarships should make application to the superintendent of Rowan County Schools.

Music Scholarships.—The college awards annually three scholarships of \$54.00 each to those students who make the most satisfactory progress in piano, voice, and violin.

Science Club Medal.—The Science Club presents annually a medal to that senior majoring in any of the sciences who has achieved the highest standing in science during his college course.

Regents Medal for Oratory.—The Regents of the college present annually a medal for the best oration given by a college student under the direction of the proper authorities.

ROOMING ACCOMMODATIONS

Living Regulations.—Both men and women students are required to occupy dormitory rooms while rooms are available on the campus. After the dormitories are filled, students may take rooms in private homes in Richmond, but should not engage rooms without first consulting the Dean of Women or the Dean of Men. Students when living off the campus are required to room in homes approved by the college.

All students not living in their own homes, whether rooming in the dormitories, in private homes, or rooming houses, are alike subject to the regulations, control and supervision of the college.

Positively no cooking, storage or serving of food will be permitted in dormitory rooms. Any student violating this rule may be asked to release his or her room and in the case of such release of room, no room rent will be refunded.

Dormitory Rooms for Women Students.—Eastern has comfortable and convenient dormitory accommodations for 528 students. Practically all dormitory rooms are equipped to provide living quarters for two students; however, there are a few corner rooms in which three students may live. Each suite of two rooms in the central and south sections of Burnam Hall has a private bath. Central bathrooms are located on each floor of Sullivan Hall and the north section of Burnam Hall.

Rate of Room Rent for Women Students.—The rate of room rent varies according to the location, furnishings, equipment, and the number of students occupying a room.

BURNAM HALL—

Front rooms	\$2.25	per	week	per	student
Outside rooms—South Section	2.00	"	"	"	"
Inside rooms—on court	1.80	"	"	"	"
Front rooms—North section	1.50	"	"	"	"
All other rooms—North section	1.35	"	"	"	"
New addition	2.00	"	"	"	"

SULLIVAN HALL—

Front rooms	\$1.35 to \$1.50	per	week	per	student
All other rooms except fourth floor..	1.35	"	"	"	"
Rooms on fourth floor	1.00	"	"	"	"

Dormitory Rooms for Men Students.—The dormitories for men at Eastern will accommodate 234 students. Most of the rooms accommodate two students. There are a few three-student rooms.

Rate of Room Rent for Men Students.—Room rent varies according to the facilities provided.

MEMORIAL HALL—

Rent of rooms in this hall ranges from \$1.50 to \$1.80 per week per student.

BECKHAM HALL, McCREARY HALL, AND MILLER HALL—

All rooms in these three halls rent for \$2.00 per week per student. Janitorial service for any room may be had for 25c per week extra.

Dormitory Room Reservations.—Students desiring to have rooms reserved in the dormitories should write the

Assistant Director of Extension for application card. When applying for dormitory reservations, student should mention the price of room preferred.

Applications for room reservations are filed in the order in which they are received, and in that order rooms are assigned. Rooms for the fall semester can generally be assigned promptly upon receipt of applications. Room reservations for the second semester and summer school cannot be made until the number of students vacating the dormitories at the close of the preceding term is determined. Frequently it is necessary to defer issuing assignments for the second semester and summer school until a short time before the beginning of these terms.

Room reservations are void unless claimed by 12:30 P. M. of the opening day of the semester or term, and the fee is forfeited. Room reservations are not transferable.

Room Deposit.—When the room assignment is received by the student, a room deposit fee of \$5.00 must be paid within ten days to make the reservation permanent. This fee is retained by the college, as a guarantee of the proper care of room and furnishings, until the termination of the student's stay in the dormitory, at which time the whole, or such part of it as may be due after deduction for damage is made, will be refunded to the student.

Room reservation fees should not be sent until dormitory assignments have been received. A room reservation fee will be refunded only when receipt is surrendered not later than ten days before the opening of the term or semester.

Off-Campus Rooms for Students.—A number of homes in Richmond are equipped to take care of students who are unable to secure rooms in the dormitories. A few of these homes have apartments and facilities for light housekeeping. Furnished and unfurnished homes may be rented by married couples or families. Students interested in renting off-campus rooms may secure a list of those approved by the college by writing to the Assistant Director of Extension.

BOARD

All students who live in the dormitories are expected to take their meals in the college cafeteria. Those students

living off the campus may take their meals in the cafeteria. Meal ticket books containing \$5.00 in script may be purchased for \$4.60. Coupon books bought in quantities may be left with the college cashier, to avoid losing, and checked out as needed. For an estimate of the cost of board for one semester, refer to the section in this catalog dealing with expenses.

BOOK STORE

The college book store is located on the ground floor of the Student Union Building. It is operated by the college and provides books and classroom supplies to students at reasonable prices.

COLLEGE POST OFFICE

The college post office provides mail service for all students who live in the dormitories. An individual lock box is assigned to each person. The post office is located on the ground floor of the Student Union Building. Students receiving their mail through the college post office should have all mail addressed in the following manner: Mr. John Smith, Box 231, College Post Office, Eastern Teachers College, Richmond, Kentucky.

Students with off-campus rooms do not receive their mail through the college post office. Their mail should be addressed to the house in which they are living.

GROUP HEALTH SERVICE

The Department of Health at Eastern, under the direction of a full-time physician and a registered nurse, provides group health service for every student. The service includes an annual physical examination for each student, medical advice and attention at all times, immunizations against contagious diseases, limited hospitalization, and classes in first aid, safety, and personal and community hygiene. The health program at Eastern emphasizes preventive treatment. During each school year, the Health Department gives about 1,000 tuberculin tests, 1,200 immunizations against contagious diseases, and 1,600 physical examinations, and makes over 1,600 dormitory, home, and hospital visits. No charge is made for any of these services to the students.

PHYSICAL EDUCATION

Athletics.—Eastern has intercollegiate athletic teams in football, basketball, baseball, track, tennis, and swimming. These teams participate in a schedule of contests with other college teams each year. Eastern is a member of the Kentucky Intercollegiate Athletic Conference and the Southern Intercollegiate Athletic Association. All official intercollegiate athletic events in which the college participates are governed by the rules and regulations of these two organizations.

Play and Recreation.—Eastern affords its students opportunities for play and recreation. Recreational activities are required of all freshmen and sophomores. These activities, offered during school hours, are varied and seasonal. The aims are to develop regular habits of play, physical strength, vigor, and sportsmanship. The utilitarian values of participation in such activities are stressed. Sports, such as playground baseball, volley ball, soccer, speedball, hockey, lacrosse, track and field archery, handball, lower organized games and their modifications, are offered.

Every student has an opportunity to participate in the leisure-time activities which are offered in seasonal tournaments. These tournaments are organized through the medium of classes, societies, and recreational sections.

The Swimming Pool.—The swimming pool in the Weaver Health Building serves both the college and the training school students. **Only those officially connected with the institution are permitted to use the pool.** A complete physical examination and a health certificate are required for admission. Students who expect to use the pool should see the college physician and arrange to take a complete physical examination. Regulation cotton bathing suits are required. Admission to the pool is strictly according to schedule.

STUDENT ORGANIZATIONS

The student organizations, societies, and clubs at Eastern are varied enough in their activities to include the interests of all the students. While the membership in them

is voluntary, all students find it to their advantage to identify themselves with at least one of these activities. Students receive in these extra-curricular activities a type of training which is impossible for them to get in the classroom. The opportunity for social life among the students is assured by the professional and non-professional counselor and friend or those in the group. During the critical months when the students find it difficult to adjust themselves to college life, the faculty advisers have frequent conferences with those in their respective groups. Detailed reports on these conferences are made to the Dean of the Faculty, who is chairman of the Personnel and Guidance Committee. Such reports, together with personal data which have been assembled concerning each student, form the basis of advice and counsel. The personal data include test scores, high school record, family history, health records, and other information.

READING LABORATORY

The ability to read rapidly and well has much to do with a student's success in college. Studies have shown that large numbers of students in high school and college are being forced to drop out of school because they cannot read efficiently. As a means of helping those students who cannot read efficiently, Eastern Kentucky State Teachers College maintains a reading laboratory in which the reading difficulties of students are diagnosed and remedial procedures followed. At present, only those freshman students who show by the results of a screening test that they have reading difficulties are assigned regular laboratory periods; however, many upperclassmen who wish to improve their reading ability receive guidance and assistance from the laboratory.

STUDENT WELFARE

Eastern is responsible to the State for the character and scholarship of its graduates—those who are to teach in the public schools. The institution will, therefore, ask students to withdraw if they are found unfit or in any way unworthy to become teachers.

PUBLICATIONS

The Milestone.—The Milestone is the college annual published each year by representatives of the Senior Class. This publication contains photographic and statistical records of all organizations and events of the college year. Intercollegiate consists of an editor-in-chief, associate editor, and several assistants. It contains reports of all official intercollegiate athletic events in which the college participates are governed by the rules and regulations of these two organizations.

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STUDENT GUIDANCE AND PERSONNEL

The purpose of the personnel program at Eastern is to help students solve their personal, social, and academic problems. At the beginning of the freshman year, the students are divided into small groups, and each group is assigned to a faculty member, who becomes the counselor and friend of those in his group. During the critical months when the students find it difficult to adjust themselves to college life, the faculty advisers have frequent conferences with those in their respective groups. Detailed reports on these conferences are made to the Dean of the Faculty, who is chairman of the Personnel and Guidance Committee. Such reports, together with personal data which have been assembled concerning each student, form the basis of advice and counsel. The personal data include test scores, high school record, family history, health records, and other information.

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But few rules and regulations are necessary. Students are to be ladies and gentlemen under all circumstances. This is the chief requirement. Parents may send their boys and girls here with the assurance that their safety, their general culture and their education will be carefully guarded.

ASSEMBLY PROGRAMS

The assembly programs constitute an integral part of the work of the institution. They have been given the unqualified support and endorsement of the Board of Regents, the president, faculty, and students. Students are required to attend these programs. At a meeting of the Board of Regents on March 14, 1931, the following resolution concerning assembly programs was passed:

Be It Resolved: That it is the opinion of the Board of Regents that the assembly programs are a vital part of the instruction offered by the institution. Through such programs as are given at the assembly period, ideals are created, information disseminated, professional attitudes established, culture of many types brought to students, and school spirit developed. Because of its fundamental value we expect both students and faculty members to attend these programs. In the event a student refuses to attend the assembly programs without being excused, we authorize the President to use such disciplinary measures as he may in his judgment deem expedient to secure cooperation and attendance from such student.

Students are allowed three absences each semester without penalty. This is for the purpose of taking care of absences due to business or to illness which does not require the services of the College Physician. The schedule of penalties for failure to attend assembly programs is as follows:

Number of Absences	Quality Point Deduction
4	1
5	1½
6	2
7	2½
8	3
9	3½
10	4

One point will be deducted for each absence after the tenth.

ADMISSION REQUIREMENTS

Graduation from an accredited high school with two majors, one of which shall be English, and a minor is required for admission to the freshman class. A minimum of three units is required for a major and a minimum of two units is required for a minor.

Applicants for admission who have completed high school work at non-accredited secondary schools may be admitted by examination in this institution.

Experienced teachers over twenty-one years of age who are unable to meet entrance requirements stated above are admitted to such work as they are qualified to take, but no certificate will be recommended or degree issued until all requirements, including entrance requirements, shall have been met.

ADVANCED STANDING

Candidates for advanced standing will be given credit on work earned in accredited institutions when the work is officially certified by the Registrar of the institution. The amount of credit allowed will depend on the quality of the work and on the extent to which it corresponds to the requirements in the curriculum to be followed at Eastern.

Credit will not be allowed on courses carrying a grade below "C" unless the student has taken the sequent course and made a grade of "C" or better. In no case will the credit allowed exceed the number of quality points.

Students classified as juniors or seniors in this institution who wish to take work in other colleges to meet requirements for the degree should secure the permission of the Dean or Registrar before enrolling for the work.

NUMBERING OF COURSES

Courses are numbered according to the following scheme:

Courses numbered 100 to 199 inclusive are primarily for freshmen.
Courses numbered 200 to 299 inclusive are primarily for sophomores.

Courses numbered 300 to 399 inclusive are primarily for juniors.
Courses numbered 400 to 499 inclusive are primarily for seniors.
Courses numbered 500 to 599 inclusive are for graduate students.

GRADING SYSTEM

Grades are indicated by letters, to each of which is given a certain value in "grade points". The following is the interpretation placed upon the grading system:

Grade	Meaning	Grade Points
		per Semester Hour
A	Excellent	3
B	Good	2
C	Average	1
D	Poor	0
F	Failure	0
I	Incomplete	
Z	Conditioned	

The grades A, B, C, D, and F, cannot be changed by the instructor. A grade of "D" gives credit toward a certificate or a degree if with such credits the student's standing is 1 or more. A grade of "I" shall be assigned only upon condition the student has been unable to complete the course on time because of unavoidable conditions. A grade of "I" must be made complete within one month after the student re-enters the institution. All grades of "I" automatically become "F" if not completed at the end of a year. The grade of "Z" shall represent a degree of attainment inferior to that of a "D" and shall not entitle the student to any credit but shall promote him to a sequent course in the same department specified by the instructor or head of the department. On completion of this sequent course with a grade of "D" or higher, the mark of "Z" shall be changed automatically to a grade of "D".

The standing of a student is defined as the ratio of his total number of "grade points" to his total number of semester hours credit. In order for a student to fulfill the requirements for a certificate or a degree he must offer a number of "grade points" at least as great as the number of semester hours.

EXPLANATION OF CREDITS

All work in the college is measured in semester hours, a semester hour being eighteen fifty-minute recitations. College subjects have different values determined by the

number of hours of recitations per week. The semester hour value of each course is stated in the catalog.

STUDENT LOAD

The normal load for a semester for undergraduate students is sixteen semester hours exclusive of Physical Education 110. The minimum load to be classed as a full-time student is twelve semester hours. Students with an established record of superior quality may take a maximum of nineteen hours provided the application is properly approved at the time of registration.

The normal load for a summer term for undergraduate students is six semester hours. The minimum load to be classed as a full-time student is four semester hours. Students with an established record of superior quality may take a maximum of seven semester hours provided the application is properly approved at the time of registration.

STANDARD OF WORK

For a semester the minimum standard of achievement which enables a student to re-enroll without question in the college is eight semester hours credit and ten grade points.

(a) Failure to meet these minimum standards shall automatically exclude the student from subsequent registration except in the case of a beginning freshman. Such freshman may be registered for such load as the Registrar may assign provided the load shall not be less than 9 semester hours nor more than 19 semester hours in a semester. In each such case of re-registration a specific authorization of load shall be entered on record by the Registrar. Students admitted under this provision are automatically placed on probation for the semester. Failure during the probation period to meet the minimum standards makes the student ineligible for re-enrollment the following semester or term except as provided in (c).

(b) The foregoing rule setting forth automatic exclusion because of failure to meet the minimum standards may be waived by a permanent committee appointed by the President and authorized to exercise such waiver. The committee at its discretion may waive the rule and authorize

the re-registration of persons with credit sufficient to classify them above the freshman year in case such persons fail to meet the minimum standards in one semester.

(c) The committee at its discretion may permit by waiver the re-registration of a person in the freshman year after that person has been re-admitted once and has had a load assigned by the Registrar as provided in (a) above and has failed the second time to meet the minimum standard.

WITHDRAWALS

Occasionally home conditions or some other factor make it necessary for students to withdraw. In such cases the student must see the President and arrange for the withdrawal. Any student who quits school or withdraws without securing the approval of the President may not register again unless the President sees fit to reinstate him.

OFFICIAL SCHEDULE CHANGES

The college reserves the right to cancel a course when the registration is not sufficient to warrant its continuance, to divide classes if the enrollment is too large for efficient instruction, and to change instructors when necessary. Additional courses will be organized if the demand is sufficient.

COMMENCEMENT

Commencements are held at the close of the academic year and at the end of the summer school. Students who are candidates for degrees are required to participate in the Commencement exercises unless excused by the President. A student who satisfies the requirements for a degree at times other than at the end of the second semester or the close of the summer school will receive his degree immediately following the completion of the work and will be regarded as a member of the graduating class immediately succeeding the completion of the work.

ALUMNI ASSOCIATION

The purpose of the Alumni Association is to promote fellowship among the ever-increasing number of graduates and to stimulate a mutual interest between the institution and her former students.

All graduates and former students are considered members of the Alumni Association. Those who pay dues of \$1.00 per year are active members. All others are classed as inactive.

EXTENSION DIVISION

Through the Extension Division Eastern provides a Bureau of Appointments, correspondence courses, extension class instruction, lectures, and various other types of public school service. ✓

Bureau of Appointments.—A placement bureau is maintained by the college to assist ~~students and ex-students~~ *graduates* in obtaining positions and to aid superintendents, principals, and other public school officials to secure the best qualified individuals to fill their vacancies. No charge is made for this service. 2570 Jan 10

Correspondence Courses.—Correspondence courses are prepared and conducted by regular members of the faculty and are, in so far as possible, identical with resident courses. For further details see Extension Division bulletin or write Director of Extension Division for additional information. 30/ 3

Extension Classes.—Regular members of the faculty conduct extension classes in cities and communities where teachers desire to pursue work in class groups in practically the same way as they would in residence. The cost of extension-class instruction is reasonable. For further details see Extension Division bulletin or write Director of Extension Division for additional information. ↑

Restrictions on Extension Work.—A maximum of thirty-two hours of the required 128 hours for a Bachelor's degree may be earned by extension. One half of the work required for renewal of a certificate may be earned by extension.

A student may earn a maximum of twelve hours by extension during the year, and a student may not earn more than six hours by extension during a semester if he is teaching full time. Those who plan to teach and take extension work should distribute the work over the year rather than waiting until the second semester to begin. Those who are not teaching and teachers whose schools have

Students in school must get approval of Dean.

closed are not limited to the six hours per semester but are limited to the twelve hours per year.

During the summer a student may not earn more than thirteen hours from June 1 to September 1. This includes all work, whether extension or residence or a combination of extension and residence.

Correspondence credit is recorded as having been earned at the time of completion of the final test. The above restrictions are statewide and apply to all institutions alike.

THE TRAINING SCHOOL

The campus laboratory school enrolls about 340 pupils and has fourteen supervising teachers. Its organization includes the elementary training school of six grades located in Cammack building; the Model High School of six grades located in the old University building; and the Rural Demonstration School of eight grades and one teacher situated near by on the college farm. The Richmond City School is affiliated for purposes of providing extended facilities in student teaching.

Children who attend the Training School come from the city and county in the surrounding community. The number of pupils for each grade is limited to thirty. A fee of eight dollars a year is charged in the elementary school and twelve dollars a year in high school. The rural school charges no fee. It is operated under contract with the Madison County Board of Education.

The first consideration in the administration of the Training School is to make of it a superior school for the children who attend it. Its value to the State in the training of teachers depends upon the quality of its work and how well the needs of children are met.

Its philosophy and procedures are learned by teachers in training through directed observation and supervised practice. This is not a frontier school, but its aim is to exemplify progressive trends in educational practice, trends which may be accepted as practicable by the more alert schools of the State, and which might influence many schools. A training school should lean forward constantly without losing balance.

College students in professional courses and in professionalized or special methods courses come into the Training School by appointment to observe. A limited number of students preparing to meet the requirements for a "Provisional Elementary Certificate" spend a half day in the school observing and participating for half a semester. The

school is used to a limited extent for experimental work in which college students generally participate.

Student Teaching.—Supervised student teaching is done in the Training School or in affiliated public schools. Students wanting to do student teaching are expected to make formal application by filling out a special blank form secured from the Director. They must have had as much as one semester of residence work at Eastern, and all college credits should be on file in the Registrar's office. They must also meet certain standards in general scholarship, special academic preparation, use of English, health, personality, and professional attitude. All applicants should make arrangements for the work before the opening of a term.

CURRICULA

Teacher-Education Curricula.—The curricula offered by the college have been planned and developed to meet the needs of students who desire to become teachers, supervisors, and administrators in the public schools. Curricula are offered for the preparation of elementary teachers; for teachers of the special subjects of agriculture, art, commerce, health and physical education, industrial arts, music, and vocational home economics; and for the preparation of high school teachers in fields of biology, chemistry, English, French, geography and geology, history, Latin, mathematics, and physics. These curricula lead to the professional baccalaureate degrees.

Non-Professional Curricula.—The college offers a special non-professional curriculum in the field of commerce. This curriculum provides adequate training in the field of commerce (accounting, general business, and secretarial work) to meet the needs of students who desire to enter the field of business.

A four-year curriculum in general education is offered by the college. Completion of this curriculum entitles the student to receive the non-professional baccalaureate degree.

Pre-Professional Curricula—Pre-Medical, Pre-Law, Pre-Engineering, and the like.—The institution offers the courses needed by students who are preparing to enter medical schools, colleges of law, colleges of engineering, and the like.

Students who take their pre-professional work at Eastern are able to satisfy the entrance requirements of the leading schools of medicine, colleges of law, colleges of engineering, and other professional institutions.

PROGRAM OF STUDIES FOR FRESHMEN STUDENTS

The college offers a wide variety of courses designed to meet the needs of first year students. In view of the fact that many beginning students have not decided what curriculum to follow, a program has been planned to include a considerable amount of work in the field of general education, and at the same time afford an opportunity for the student to select courses to meet his particular needs. The program of studies recommended for the first year includes:

FIRST SEMESTER

English 101, Oral and Written Composition	3	semester hours
History 141, History of Western Civilization	3	semester hours
Science 110, Survey of Science	3	semester hours
Library Science 166, Library Orientation	1	semester hour
Physical Education 110a, Fundamental Physical Education Activities	$\frac{1}{2}$	semester hour
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Total	10 $\frac{1}{2}$	semester hours

SECOND SEMESTER

English 102, Oral and Written Composition	3	semester hours
History 142, History of Western Civilization ..	3	semester hours
Science 111, Survey of Science	3	semester hours
Physical Education 110b, Fundamental Physical Education Activities.....	$\frac{1}{2}$	semester hour
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Total	9 $\frac{1}{2}$	semester hours

In addition to the above courses, the student selects other work to make a total of approximately sixteen semester hours for each semester. It is expected that the student will select courses to fulfill the requirements of the curriculum he expects to follow.

Each student is required to file in the Dean's office, before the close of the freshman year, the curriculum which he expects to complete to meet the requirements for a degree. This curriculum, when properly approved by the Dean of the college and major and minor professors, be-

comes a contract between the student and the college. A student may change his program of study at any time, provided the change is approved in writing. It is usually very difficult, however, to change the curriculum after the beginning of the junior year without increasing the amount of time necessary to earn the baccalaureate degree.

DEGREES

Professional Degrees.—The Eastern Kentucky State Teachers College confers three professional degrees; namely, the Bachelor of Arts degree, the Bachelor of Science degree, and the Master of Science degree in Education.

Non-Professional Degrees.—Non-professional degrees of Bachelor of Arts and Bachelor of Science are conferred by the college.

GENERAL REQUIREMENTS FOR DEGREES

The degree of Bachelor of Arts or Bachelor of Science is conferred upon those students who have completed an approved four-year curriculum. The minimum amount of credit required for the bachelor's degree is one hundred and twenty-eight semester hours of college credit exclusive of Physical Education 110. Not more than thirty-two semester hours of the work required for a degree may be earned by extension and/or correspondence. A candidate for a degree must have been in residence a minimum of thirty-six weeks (at least eighteen of which must have been in the senior year) and must have earned a minimum of thirty-two semester hours while in residence.

The curriculum which the student expects to follow for the completion of the requirement for the bachelor's degree must be filed in the office of the Dean of the college not later than the end of the freshman year. In the case of transfer students the curriculum must be filed before the end of the first semester or term of resident work. The curriculum must be approved by the Dean of the college and by the major and minor professors.

A minimum of forty per cent of the semester hours of credit offered in fulfillment of the requirements for the bachelor's degree must be of senior college level.

SPECIFIC REQUIREMENTS FOR PROFESSIONAL DEGREES

BACHELOR OF SCIENCE DEGREE WITH MAJOR IN COMMERCE

This curriculum is planned for the student who expects to teach commerce in the high school and who desires to devote a major portion of his time to a study of the various phases of the field of commerce. The program submitted to meet the requirements for this curriculum must include the following courses:

Departmental Requirements:

English 101, 102, 218, 219.....	12 hrs
Health 201	3 hrs.
History 141, 142, 202, 203	12 hrs.
Library Science 166	1 hr.
Mathematics 107, 113	6 hrs
Physical Education 110 (four semesters), 225	4 hrs
Science 110, 111, (Biology, Chemistry, Geology, or Physics six semester hours)	12 hrs

Major Requirements:

Commerce 119, 120, 126, 131, 151, 152, 215, 216, 221, 253, 301, 302, 303, 309, 370, 371, 405, 461a, 461b, 470, 471.....	<u>47 hrs.</u>
Economics 124, 230, 231	<u>9 hrs</u>

Professional Requirements

Education 210, 301 or 421b, 314 or 464, 364, 463	<u>20 hrs</u>
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BACHELOR OF SCIENCE DEGREE WITH MAJOR IN ELEMENTARY EDUCATION

This curriculum is planned for the student who expects to teach in the elementary school and who desires to devote a major part of his time to preparation for this type of work. The program submitted to meet the requirements for this curriculum must include the following departmental requirements:

Art 117, 217, 260	8 hrs
Biology 121, Biology 261 or Geology 201	7 hrs
Commerce 131	no credit

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12

Education 210, *267, 313, 354, 421a, 441, 442, 463	33 hrs.
English 101, 102, 163, 218, 219, 260.....	18 hrs.
Geography 101, 271, 372	9 hrs.
Government 111	3 hrs.
Health 201	3 hrs.
History 141, 142, 202, 203	12 hrs.
Industrial Arts 222	6 hrs.
Library Science 166	1 hr.
Mathematics 260	3 hrs.
Music 255, 260, 263	7 hrs.
Physical Education 110 (four semesters) 220	4 hrs.
Science 110, 111	6 hrs.
Sociology 331	3 hrs.

51
15
66
27
93
26
129
128
119
9

BACHELOR OF SCIENCE DEGREE WITH MAJOR IN INDUSTRIAL ARTS

This curriculum is planned for the student who expects to teach industrial arts in the high school and who desires to devote a major portion of his time to a study of the various phases of the field of industrial arts. The program submitted to meet the requirements for this curriculum must include the following:

Departmental Requirements:

Art 117, 260	6 hrs.
English 101, 102, 218, 219	12 hrs.
Health 201	3 hrs.
History 141, 142, 202, 203	12 hrs.
Library Science 166	1 hr.
Mathematics 107, 113	6 hrs.
Physical Education 110 (four semesters), 225	4 hrs.
Physics 201, 202	10 hrs.
Science 110, 111	6 hrs.

Major Requirements:

Industrial Arts 100, 141, 191, 233, 242, 280, 292, 343, 361, 382, 383, 394, 466, and twelve hours elective	48 hrs.
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Professional Requirements:

Education 210, 301 or 421b, 314 or 464, 364, 463	20 hrs.
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* Students transferring from other colleges should take Education 262, Fundamentals in Elementary Education, plus elective work in elementary education to make a total of eight semester hours to take the place of Education 267.

BACHELOR OF SCIENCE DEGREE WITH MAJOR IN VOCATIONAL HOME ECONOMICS

FIRST YEAR

First Semester

Art 117—Elementary Drawing and Design	4 hrs.
English 101—Oral and Written Composition	3 hrs.
Home Economics 101—Textiles	2 hrs.
Home Economics 155—Elementary Costume Design	2 hrs.
Library Science 166—Library Orientation	1 hr.
Science 110—Survey of Science	3 hrs.
Physical Education 110—Fundamental Physical Educa- tion Activities	$\frac{1}{2}$ hr.
	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15½ hrs.

Second Semester

Biology 121—General Biology	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Home Economics 102—Source, Selection and Cost of Foods	2 hrs.
Physics 102—Household Physics	3 hrs.
Science 111—Survey of Science	3 hrs.
Physical Education 110—Fundamental Physical Educa- tion Activities	$\frac{1}{2}$ hr.
	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15½ hrs.

SECOND YEAR

First Semester

Chemistry 111—General Chemistry	5 hrs.
Economics 230—Principles of Economics	3 hrs.
English 218—Survey of Literature I	3 hrs.
Health 201—Public Hygiene and Safety	3 hrs.
Home Economics 204—Nutrition and Food Preparation	3 hrs.
Physical Education 110—Fundamental Physical Educa- tion Activities	$\frac{1}{2}$ hr.
	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 17½ hrs.

Second Semester

Chemistry 112—Inorganic Chemistry	5 hrs
Education 210—Educational Psychology	3 hrs.
English 219—Survey of Literature II	3 hrs
Home Economics 203—Garment Making	3 hrs.
Home Economics 222—Interior Decoration	2 hrs
Physical Education 110—Fundamental Physical Educa- tion Activities	$\frac{1}{2}$ hr.
	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16½ hrs

THIRD YEAR**First Semester**

Chemistry 220—Bio-Organic Chemistry	4 hrs.
Education 314—Psychology of Adolescence	3 hrs.
Home Economics 206—Dressmaking	2 hrs.
Home Economics 231—Home Nursing	2 hrs.
Home Economics 306—Advanced Nutrition	3 hrs.
Elective	2 hrs.

 16 hrs.
Second Semester

Education 364—Fundamentals of Secondary Education	4 hrs.
Health 303—Applied Bacteriology	5 hrs.
Home Economics 205—Meal Planning and Table Service	3 hrs.
Home Economics 304—Materials and Methods for Teaching Vocational Home Economics	3 hrs.
Elective	2 hrs.

 17 hrs.
FOURTH YEAR**First Semester**

Art 372—Applied Design	3 hrs.
Education 463—Student Teaching	8 hrs.
Home Economics 401—Dietetics	3 hrs.
Sociology—Introduction to Sociology	3 hrs.

 17 hrs.
Second Semester

Biology 481—Animal Physiology	4 hrs.
Home Economics 402—Child Development	3 hrs.
Home Economics 403—Home Management	4 hrs.
Elective	5 hrs.

 16 hrs.
BACHELOR OF SCIENCE DEGREE WITH MAJOR IN SCIENCE**Departmental Requirements:**

English 101, 102, 213, 219	12 hrs.
Health 201	3 hrs.
History 141, 142, 202, 203	12 hrs.
Library Science 166	1 hr.
Mathematics 107, 113	6 hrs.
Physical Education 110 (four semesters), 225	4 hrs.
Science 110, 111	6 hrs.

Major Requirements:

Courses listed in Group A, B, or C must be completed:

GROUP A:

Biology 121, 231, 232, 241, 242, 334 or 335	22 hrs.	
Chemistry 111, 112	10 hrs.	
Geology 201	3 hrs.	
Physics 201, 202	10 hrs.	
Science 461	3 hrs.	
*Electives—Biology, Chemistry, Physics	6 hrs.	54 hrs.

GROUP B:

Chemistry 111, 112, 213, 216, 310	24 hrs.	
Biology 121 or 241, 231, 334 or 335	10 hrs.	
Geology 201	3 hrs.	
Physics 201, 202	10 hrs.	
Science 461	3 hrs.	
*Electives—Biology, Chemistry, Physics	4 hrs.	54 hrs

GROUP C:

Physics 201, 202, 300, electives to make a minimum of	21 hrs.	
Biology 121 or 241, 231, 334 or 335	10 hrs.	
Chemistry 111, 112	10 hrs.	
Geology 201	3 hrs.	
Science 461	3 hrs.	
*Electives—Biology, Chemistry, Physics	7 hrs.	54 hrs

Professional Requirements:

Education 210, 301 or 421b, 314 or 464, 364, 463	20 hrs
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BACHELOR OF SCIENCE DEGREE WITH A MAJOR IN AGRICULTURE, BIOLOGY, CHEMISTRY, COMMERCE, HEALTH AND PHYSICAL EDUCATION, HOME ECONOMICS, INDUSTRIAL ARTS, MATHEMATICS, OR PHYSICS

Major and Minor Requirements:

A major and two minors or two majors must be completed. A major is defined as a minimum of twenty-four

* Science 110 and 111 may be used as elective Science.

semester hours and a minor is defined as a minimum of eighteen semester hours. The amount of credit for majors and minors is not the same for all departments.

The student must file in the office of the Dean of the college, not later than the end of the freshman year, the curriculum to be followed in completing the requirements for the degree. The curriculum must include minimum departmental requirements as follows:

Departmental Requirements:

English 101, 102, 218, 219	12 hrs.
Health 201	3 hrs.
History 141, 142, 202, 203	12 hrs.
Library Science 166	1 hr.
Mathematics 107, 113	6 hrs.
Physical Education 110 (four semesters), 225	4 hrs.
Science 110, 111 (Biology, Chemistry, Geology, or Physics six semester hours)	12 hrs.

Professional Requirements:

Education 210, 301 or 421b, 314 or 464, 364, 463	20 hrs.
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**BACHELOR OF ARTS DEGREE WITH A MAJOR IN ART,
ENGLISH, FRENCH, HISTORY, LATIN, GEOGRAPHY
AND GEOLOGY, OR MUSIC**

Major and Minor Requirements:

A major and two minors or two majors must be completed. A major is defined as a minimum of twenty-four semester hours and a minor is defined as a minimum of eighteen semester hours. The amount of credit for majors and minors is not the same for all departments.

The student must file in the office of the Dean of the college, not later than the end of the freshman year, the curriculum to be followed in completing the requirements for the degree. The curriculum must include minimum departmental requirements as follows:

Departmental Requirements:

English 101, 102, 218, 219.....	12 hrs.
*Foreign Language	6 to 12 hrs.

* If three units or more of a foreign language are offered for admission, six semester hours in the same language will be required; if two units of a foreign language are offered for admission, nine semester hours in the same language will be required; if one unit or less of a foreign language is offered for admission, twelve semester hours in the same language will be required.

Health 201	3 hrs.
History 141, 142, 202, 203	12 hrs.
Library Science 166	1 hr.
Physical Education 110 (four semesters), 225	4 hrs.
Science 110, 111 (Biology, Chemistry, or Physics six semester hours).....	12 hrs.

Professional Requirements:

Education 210, 301 or 421b, 314 or 464, 364, 463	20 hrs.
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BACHELOR OF ARTS DEGREE WITH MAJOR IN SOCIAL SCIENCE

Departmental Requirements:

English 101, 102, 218, 219	12 hrs.
*Foreign Language	6 to 12 hrs.
Geology 201	3 hrs.
Health 201	3 hrs.
Library Science 166	1 hr.
Physical Education 110 (four semester-terms), 225	4 hrs.
Science 110, 111 (Biology, Chemistry, or Physics three semester hours).....	9 hrs.

Major Requirements:

Economics 230, 231	6 hrs.
Geography 101, 471, 271 or 372.....	9 hrs.
Government 111, 311	6 hrs.
History 141, 142, 202, 203, 340, 344.....	18 hrs.
Sociology 331, 332	6 hrs.
Electives—Economics, Geography, Government, History, Sociology	9 hrs.

Professional Requirements:

Education 210, 301 or 421b, 314 or 464, 364, 463	20 hrs.
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SPECIFIC REQUIREMENTS FOR NON-PROFESSIONAL DEGREES

The college offers a general education curriculum for students who are not interested in professional education, and for students who expect to prepare to enter the pro-

* If three units or more of a foreign language are offered for admission, six semester hours in the same language will be required; if two units of a foreign language are offered for admission, nine semester hours in the same language will be required; if one unit or less of a foreign language is offered for admission, twelve semester hours in the same language will be required.

fessions of medicine, law, engineering, and the like. A special curriculum is also offered in commerce to meet the needs of those students who desire to prepare for careers in the field of business and industry. The non-professional curricula do not prepare students to enter the profession of teaching.

BACHELOR OF SCIENCE DEGREE WITH MAJOR IN COMMERCE

This curriculum is a special curriculum in the field of commerce and is designed to meet the needs of the student who expects to enter business rather than the field of education. The curriculum to be followed in completing the requirements for the degree is as follows:

Departmental Requirements

English 101, 102, 218, 219	12 hrs
Government 111	3 hrs
Health 100	2 hrs.
History 141, 142, 202, 203	12 hrs
Library Science 166	1 hr.
Mathematics 107, 108 or 113, 342	7 to 8 hrs
Physical Education 110 (four semesters)	2 hrs
Science 110, 111 (Biology, Chemistry, Geology, Physics, six semester hours)	12 hrs.

Major Requirements:

Commerce 119, 120, 126, 127, 131, 151, 152, 221, 301, 309, 324, 325, 326, 370, 371, 405, 406, 470, 471, nine hours elective	51 hrs
Economics 124, 230, 231	9 hrs

SPECIAL CURRICULUM IN GENERAL EDUCATION

This curriculum is planned to meet the needs of those wishing to secure a general education without preparing to teach. The work may be planned to meet the requirements for admission to professional schools of medicine, dentistry, and law. This curriculum should be planned and approved by the Dean before the end of the freshman year. Education courses cannot be counted toward meeting the requirements in this curriculum.

The Minimum Requirements Are:

English 101, 102, 218, 219, 163 or 231 or 301	15 hrs.
History 141, 142	6 hrs.
Library Science 166	1 hr.
Physical Education 110 (four semesters)	2 hrs.
Science 110, 111	6 hrs.
Two majors of twenty-four hours each, or an area of forty-eight hours	48 hrs.
Two minors of twelve hours each	24 hrs.
Electives	25 hrs.

Majors and minors may be selected from the following departments:

Agriculture	History
Art	Home Economics (Non-
Biology	Vocational)
Chemistry	Industrial Arts
French	Latin
German	Mathematics
Geography and Geology	Music
Health and Physical	Physics
Education	Science
	Social Science

THE GRADUATE DIVISION

PURPOSE

The Graduate Division offers work leading to the degree of Master of Arts in Education. The graduate program is planned to meet the needs of teachers, supervisors, and administrators of the public schools. The **major** field in the graduate program is that of professional education. Minors are offered in the departments of agriculture, art, biology, chemistry, commerce, economics, English, French, geography, health and physical education, history, home economics, industrial arts, Latin, mathematics, music, physics, and political science. Two types of graduate students are recognized: (1) Students who enter and become candidates for the degree of Master of Arts in Education; and (2) students who wish to broaden their education without reference to a graduate degree.

ADMISSION REQUIREMENTS

(1) Applicants for admission to the Graduate Division must hold a Bachelor's degree from a standard institution and must have completed the requirements for a four-year curriculum for the education of elementary and/or secondary teachers, as prescribed by the Council on Public Higher Education of Kentucky.

(2) Official credentials should be filed with the Registrar of the college before entrance. These credentials should include: (a) A complete transcript of high school credits; (b) a complete transcript of college or university credits.

(3) Transferred credits shall not be used to reduce either the resident requirements or minimum number of semester hours required.

(4) Admission to the Graduate Division does not necessarily imply admission to candidacy for the degree of Master of Arts in Education.

ADMISSION TO CANDIDACY FOR THE MASTER OF ARTS DEGREE IN EDUCATION

Application for admission to candidacy for the degree of Master of Arts in Education should be made to the Dean of the college not later than the tenth week prior to the date on which the degree is to be conferred.

REQUIREMENTS FOR THE MASTER OF ARTS DEGREE IN EDUCATION

To complete the work for the degree of Master of Arts in Education, the candidate must satisfy the following requirements:

(1) The student must complete thirty-six weeks, or the equivalent, in residence and earn a minimum of thirty semester hours, twenty-four of which shall be in regular course work, and write a thesis in the major field.

(2) At least 50 per cent of all course work must be in courses open to graduate students only. The remainder of the work may be completed in upper division courses.

(3) The student shall have an average standing of 2.0 and no credit shall be granted for a grade below "C".

(4) The student must complete a major in the field of education. A major shall require a minimum of twelve semester hours of course work in addition to a thesis in the major field. The thesis should show, among other things, the following characteristics: (a) Ability of candidate to work independently on an approved problem; (b) a reasonably wide familiarity with the literature of the field of specialization; (c) a practical working knowledge of research methods; and (d) conclusions justified by supporting data.

(5) The student must complete a minor. The minor shall be determined by the institution in terms of the student's need, provided that the minor, or minors, shall be in upper division and/or graduate courses.

(6) The student shall pass both an oral and written examination on his major and minor fields.

(7) The student must present a thesis at least three weeks before the degree is to be conferred. The thesis must be approved by the major and minor professors and by the Dean of the college and must conform to regulations

approved by the graduate committee for writing theses. Two typewritten copies of the thesis must be filed in the college library at least one week before the degree is conferred.

(8) Formal application for the degree of Master of Arts in Education must be filed with the Registrar not later than eight weeks before the degree is to be conferred.

FEES

The registration fee for graduate students is \$3.00 per semester hour.

REQUIREMENTS FOR CERTIFICATES

ELEMENTARY CERTIFICATES

An elementary certificate is valid for use in any elementary school in the state.

(1) *Provisional elementary certificate.*—The provisional elementary certificate, valid for three years, shall be issued to a person who has completed the two-year curriculum for the training of elementary teachers. The provisional elementary certificate may be reissued or renewed after two years of teaching experience during the life of the certificate or upon the presentation of one-half year (16 semester hours) of additional work, earned during the life of the certificate, selected from the requirements for the standard elementary certificate and may be renewed thereafter upon the presentation of one-half year (16 semester hours) of additional credit selected from the requirements for the standard elementary certificate.

SUGGESTED PROGRAM FOR COMPLETING THE CURRICULUM FOR THE PROVISIONAL ELEMENTARY CERTIFICATE

This curriculum satisfies all requirements of the State Board of Education for the Provisional Elementary Certificate.

FIRST YEAR

First Semester

English 101—Oral and Written Composition	3	hrs.
Geography 101—Principles of Geography	3	hrs.
History 141—History of Western Civilization	3	hrs.
Library Science 166—Library Orientation	1	hr.
Physical Education 110—Fundamental Physical Education Activities	½	hr.
Science 110—Survey of Science	3	hrs.
Sociology 143—Rural Sociology	3	hrs.

16½ hrs.

Second Semester

English 102—Oral and Written Composition	3	hrs.
Government 111—American Government and Citizenship	3	hrs.

History 142—History of Western Civilization	3	hrs.
Physical Education 110—Fundamental Physical Education Activities	$\frac{1}{2}$	hr.
Science 111—Survey of Science	3	hrs.
Elective	4	hrs.
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		16½ hrs.

SECOND YEAR

First Semester

Art 260—Public School Art	2	hrs.
*Education 267—Directed Observation and Participation in the Elementary School	8	hrs.
or { Education 210—Educational Psychology ..	3	hrs.
English 260—Literature for Children	3	hrs.
Physical Education 220—Plays and Games for Elementary Grades	2	hrs.
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		8 hrs.
English 218—Survey of Literature I	3	hrs.
Music 260—Public School Music	2	hrs.
Physical Education 110—Fundamental Physical Education Activities	$\frac{1}{2}$	hr.
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		15½ hrs.

Second Semester

Education 203—Principles of Teaching	3	hrs.
*Education 267—Directed Observation and Participation in the Elementary School	8	hrs.
or { Education 210—Educational Psychology ..	3	hrs.
English 260—Literature for Children	3	hrs.
Physical Education 220—Plays and Games for Elementary Grades	2	hrs.
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		8 hrs.
Health 201—Public Hygiene and Safety	3	hrs.
Mathematics 260—Teachers' Arithmetic	3	hrs.
Physical Education 110—Fundamental Physical Education Activities	$\frac{1}{2}$	hr.
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		17½ hrs.

(2) *Standard elementary certificate.*—The standard elementary certificate, valid for four years, shall be issued to a

* Students who transfer college work from other institutions must take Education 262, Fundamentals in Elementary Education, and Education 265, Student Teaching, instead of Education 267, Directed Observation and Participation in the Elementary School.

person who completes the four-year curriculum for a major in elementary education. This certificate may be reissued or renewed every four years after three years of teaching experience during the life of the certificate or upon the presentation of one-half year of standard college or university work of graduate grade. The standard elementary certificate may be extended for life upon the presentation of evidence that the holder has had three years of teaching experience in the elementary field during the life of the certificate and has completed the requirements for the master's degree in a standard college or university.

HIGH SCHOOL CERTIFICATES

A high school certificate is valid for use in any high school in the state.

(1) *Provisional high school certificate.*—The provisional high school certificate, valid for four years, shall be issued to a person who is a graduate of a standard four-year college or university and who has completed the four-year curriculum for the training of high school teachers. This certificate may be reissued or renewed every four years after three years of teaching experience during the life of the certificate or upon the presentation of one-half year of standard college or university work of graduate grade earned during the life of the certificate.

(2) *Standard high school certificate.*—The standard high school certificate, valid for five years, shall be issued to a person who is a graduate of a standard four-year college or university and who has completed the four-year curriculum for the training of high school teachers and who, in addition thereto, has completed the requirements for the master's degree in a standard college or university.

CERTIFICATES IN ADMINISTRATION AND SUPERVISION

Certificates in administration and supervision are valid for use in any position of superintendent, principal, supervisor, teacher, or attendance officer.

(1) *Provisional certificate in administration and supervision.*—The provisional certificate in administration and

supervision, valid for four years, shall be issued to a person who has had at least two years of successful teaching experience and who is a graduate of a standard four-year college or university and who has completed the four-year curriculum for the training of administrators and supervisors. The curriculum for the training of administrators and supervisors shall include in addition to the requirements for the training of elementary or high school teachers the following professional courses:

Administration and Supervision	6 hrs.
Elementary Education	6 hrs.
Supervised Student Teaching	6 hrs.
Secondary Education	6 hrs.

This certificate may be reissued or renewed every four years after three years of experience during the life of the certificate or upon presentation of one-half year of standard college or university work of graduate grade.

(2) *Standard certificate in administration and supervision.*

—The standard certificate in administration and supervision, valid for five years, shall be issued to a person who has had at least two years of successful teaching experience and who is a graduate of a standard four-year college or university and who has completed the four-year curriculum for the training of administrators or supervisors, and who, in addition thereto, has completed the requirements for the master's degree. The standard certificate in administration and supervision may be extended for life upon presentation of evidence that the holder has had three years of successful experience during the life of the certificate.

ATTENDANCE OFFICER'S CERTIFICATE

The certificate for attendance officers shall be issued to any person who completes a four-year curriculum for a teacher's certificate provided such curriculum includes at least three semester hours of pupil accounting.

DIVISION OF APPLIED ARTS AND SCIENCES

Mr. Moore	Miss Dix	Mr. Lascoe
Miss Burrier	Miss Ford	Mr. Richards
Mr. Carter	Miss Gill	Miss Slater
Mr. Deniston	Mr. Gumbert	Mr. Whalin

AGRICULTURE

Mr. Carter

Mr. Gumbert

Agriculture 100. Survey Course in Agriculture. Two hours.

Purpose: It is a course primarily designed for teachers and supervisors of rural schools. An attempt will be made to acquaint prospective teachers with the limitations and possibilities of their communities for better family living on the farm. Emphasis will be placed on the production of food crops, feed crops, and possible increases of cash income.

Topics: Simpler principles of soil fertility, soil conservation, improvement of pastures, feed crops, the dairy cow, sheep, poultry, and home killing and curing of pork. Emphasis is given to the importance of the farm garden, the production of fruit for the home and the storing of vegetables and fruit for winter. Time is devoted to the aids, methods, and materials for correlation on the elementary level.

Agriculture 126. Farm Poultry. Three hours.

Purpose: This course is planned to give the teacher the knowledge necessary to initiate the best methods in the establishment, improvement, care, feeding and management of poultry in his community.

Topics: Breeds, poultry house construction, feeds, balanced rations, poultry diseases, egg production, meat production, culling of flock, pests, grading and marketing poultry products.

Agriculture 131. General Horticulture. Three hours.

Purpose: The purpose of this course is to acquaint the student with the best methods and practices in the care and management of the farm orchard and vegetable garden.

Topics: Equal time is devoted to a study of fruit and vegetable production. The farm orchard is taken as a basis and laboratory for the study of selection of type of soil, site, grafting and budding, planting, fertilizing, cultivation and general management of the orchard with special work in pruning and spraying. Small fruits also receive some attention. Assigned library references and practical work with hotbeds and cold frames in the production of early vegetables result in a working knowledge of gardening.

Agriculture 211. (Formerly Agriculture 111.) Farm Crops. **Three hours.**

Purpose: This course is designed to give the student a practical knowledge of the best methods in the selection, production and disposition of the cereal and forage crops of the region.

Topics: Cereal and forage crops, crop improvement, storage and marketing, crop rotation, judging grain, testing seeds.

Agriculture 223. Market Milk. **Three hours.**

Purpose: To study the problems that confront producers and distributors of market milk and milk products.

Topics: Market milk, milk as a food, milk in its relation to public health, bacteriology of milk, dairy farm inspection, scoring milk and cream, cost of milk production, milk plants, pasteurization, refrigeration, etc.

Agriculture 224. Dairy Cattle Management. **Three hours.**

Purpose: To bring the student into close contact with the dairying business.

Topics: Dairy breeds, judging, breeding, feeding, calf raising, pedigrees, advanced registry, dairymen's association, dairy barn construction, equipment, etc.

Agriculture 228. Livestock Management. **Three hours.**

Purpose: To teach the best practices and principles involved in the economical production of beef cattle, sheep and swine on the farm.

Topics: Feed and care for farm animals. Fitting for market or the show ring. Prevention and treatment of common ailments.

Agriculture 250. Farm Shop. **Two hours.**

Purpose: This is a laboratory course in which repair and maintenance are given major attention. Some construction work of an elementary nature is done. Care and operation of the more common farm machines will be given consideration.

Agriculture 251. Farm Engineering. **Two hours.**

Purpose: To give the student practice in establishing terrace, laying out drainage ditches, farm surveying, planning the farmstead, construction and repair of farm buildings.

Agriculture 315. (Formerly Agriculture 115 and 215.) Soils. **Three hours.**

Prerequisite: Chemistry 111.

Purpose: To give the student a thorough knowledge of soil physics and soil management, and to summarize the best principles and methods of soil improvement and fertility.

Topics: A study of the properties and management of soils; harrowing and cultivation; organic matter, bacterial action and optimum conditions for growth of plants; the origin, the weathering

and types of soils; plant foods; crop requirements and fertilizers; rotation of crops as means of soil preservation.

Agriculture 321. (Formerly Agriculture 121 and 221.) Feed and Feeding. **Three hours.**

Prerequisite: Chemistry 111.

Purpose: To give the student a thorough knowledge of the cost, composition and comparative feeding values of feeds; to point out the uses of the food nutrients and the parts they play in growth, maintenance and production of the product; to study the feed requirements of the various farm animals and how to balance rations to suit their needs.

Topics: Digestive systems of farm animals; digestion; composition and digestibility of various feeds; origin and history of scientific feeding; methods and principles of calculating and balancing rations; home grown feeds, such as corn, oats, wheat, rye, barley, and their by-products, also roughages, such as silage, straw, corn fodder, grass hays and the important legumes with the object to balance rations at least cost.

Agriculture 345. Farm Management and Organization. **Three hours.**

Purpose: To give the student practice in applying the fundamental principles and knowledge of good business methods in farm enterprises; to enable the student to recognize symptoms, diagnose the ailments of unsuccessful farms and prescribe remedies.

Topics: Personal characteristics desirable in farmers, profits, cost of living, types of farming, maintaining soil fertility, livestock problems, farm labor, farm rents, farm equipment, farm layout.

Agriculture 346. Farm Accounting. **Two hours.**

Purpose: A laboratory course in which the fundamentals of accounting as applied to the farm are studied.

Agriculture 405. Dairy Bacteriology. **Four hours.**

Purpose: To study the bacteriological principles involved in the processing of milk and other dairy products. The control of bacteria that are of pathogenic importance.

Agriculture 441. (Formerly Agriculture 241 and 341.) Agricultural Economics. **Three hours.**

Purpose: The purpose of this course is to give the student an idea of the economics which may be introduced into the agricultural industry and of the different elements composing the resources of the farmer.

Topics: Farm operation, farm equipment, the size of the farms, farm labor and wages, farm credit, insurance needs of the farmer, tenant farming, rent and profit, marketing, farm products, crop estimates and forecasts, price fixing and the cost of farm products, the social side of farm life, the future of the farmer, etc.

Practicums: Practicums will be available to a limited number of students who have the necessary prerequisites. In order to enroll for a practicum the student must first have the sanction of the instructor in charge of the work. As a general rule, a practicum carries a credit of one hour. Students who already have a standard load will not be allowed to carry practicums for credit without approval of the Registrar.

COMMERCE

Mr. Moore

Miss Ford

Miss Gill

Mr. Richards

Commerce 119. Elementary Accounting. Four hours.

Purpose: To prepare the student to teach the subject or to do practical accounting and bookkeeping work; to furnish a background for work in business administration.

Topics: Cash items; how to safeguard cash; the cash book; banking transactions; non-profit organizations; business forms and papers; trading businesses; theory of debt and credit; double entry record keeping; books of original entry; the ledger; the trial balance; financial statements; books for a sole proprietorship, partnership, and corporation; budgets; Kentucky income tax regulations; social security tax; bad debts; investment records.

Commerce 120. (Formerly Commerce 220.) Principles of Accounting. Two hours.

Prerequisite: Commerce 119.

Purpose: To further prepare the student to teach the subject or to do practical accounting and bookkeeping work, and to furnish a broader background for work in business administration.

Topics: A more thorough consideration of controlling accounts and practice in handling them in a laboratory set; the characteristics of a partnership; relation of partnership to accounting; formation of a partnership; division of profits; admission of a new partner; retirement of a partner; dissolution of a partnership. A laboratory set of books is kept for the partnership form of business organization. Vouchers are provided to make the laboratory work as practicable as possible.

Commerce 124. Economic History of Europe. Three hours. See Economics 124.

Commerce 126. (Formerly Commerce 121.) Business Mathematics I. Two hours.

Purpose: To prepare the student for Commerce 119, and to provide the student with sufficient information to enable him to teach business arithmetic in the high school.

Topics: Rapid calculation in the fundamental processes; drawings and graphs; percentage; buying and selling merchandise; com-

mercial discounts; recording purchases and sales; paying for goods; collecting bills; accounts; taking inventory interest; discounting notes and other commercial papers; wages and payrolls; postage, freight, and express rates; property insurance; taxation.

Commerce 127. Business Mathematics II. Two hours.

Purpose: To give the student sufficient background in business mathematics to enable him to pursue advanced accounting, investments, insurance, etc.

Topics: A rapid review of the topics covered in Commerce 126, bank discount, true discount and present value, exact interest, logarithms, equation of accounts, domestic and foreign exchange, series, annuities, bond valuation, business graphs, cumulative annuities, cumulative sinking funds, cumulative amortization plans, building and loan association calculations, industrial loans, etc.

Commerce 131. Penmanship. No credit. All students majoring in commerce unless excused by the Head of the Department are required to take this course.

Purpose: To teach the principles of good handwriting, to afford practice in executing these principles, and to develop an appreciation of good handwriting.

Commerce 151. Beginning Typewriting. Two hours. (Credit on this course will be recorded when Commerce 152 has been completed.) Fee, \$1.00.

Purpose: To develop proper technique in typewriting, and to learn to arrange simple material in attractive form.

Topics: Mechanics of the typewriter, the keyboard, word drills, sentence drills, paragraph drills, styles of letters, attractive arrangement of materials.

Commerce 152. Intermediate Typewriting. Two hours. Fee, \$1.00.

Purpose: To attain speed with accuracy in working out practical problems in typewriting.

Topics: Drill on material which will develop speed and accuracy; practice in the writing of business letters, simple manuscripts, and simple tabulations.

Commerce 215. (Formerly Commerce 115.) Beginning Shorthand. Three hours.

Purpose: To master the principles of Gregg shorthand and to develop a fluent and legible style of writing.

Topics: The principles of Gregg shorthand as outlined in the Gregg Manual; shorthand penmanship drills; supplementary reading; daily dictation including words of high frequency, sentences, and letters; vocabulary tests; transcription.

Commerce 216. (Formerly Commerce 116.) Advanced Shorthand. **Three hours.**

Prerequisite: Commerce 215.

Purpose: To develop speed in taking dictation and in transcribing.

Topics: A review of the Gregg shorthand principles; supplementary reading; dictation and transcription of literary articles and various types of letters; vocabulary and transcription tests.

Commerce 221. (Formerly Commerce 322.) Principles of Accounting. **Three hours.**

Prerequisites: Commerce 119 and 120.

Purpose: To further prepare the student to teach the subject or to do practical accounting and bookkeeping work, and to furnish the student a more comprehensive background for work in business administration.

Topics: Nature and characteristics of the corporation; accounts and records peculiar to a corporation; corporate accounting subsequent to organization; the voucher system; accounting for manufacturing; accounting for departments and branches; non-profit organizations; accounting for creditor control; accounting and management. A laboratory set of books is kept for the corporate form of business organization.

Commerce 230. (Formerly Commerce 125.) Principles of Economics. **Three hours.** See Economics 230.

Commerce 231. (Formerly Commerce 222.) Principles of Applied Economics. **Three hours.** See Economics 231.

Commerce 253. Advanced Typewriting. **Two hours.** Fee, \$1.00.

Purpose: To attain a degree of proficiency sufficient to enable one to do professional typewriting or to teach typewriting; to familiarize students with the best techniques of teaching typewriting.

Topics: Drill on material which will develop speed and accuracy; manuscripts, tabulations, legal and other business forms; teaching technique.

Commerce 301. (Formerly Commerce 201.) Business English. **Three hours.**

Prerequisites: English 101 and English 102.

Purpose: To develop skill in the use of clear, concise, and forceful English in the writing of business letters.

Topics: The essential qualities of business writing; the sales letter; appeals to special classes; follow-up letters; inquiries, orders, and responses; credit letters; collection letters; adjustment letters; letters of application; business reports; style studies.

Commerce 302. Dictation and Transcription. **Two hours.**

Prerequisites: Commerce 151, 152, 215, 216 or their equivalents.

Purpose: To develop speed and accuracy in taking dictation and in transcribing.

Topics: A review of Gregg shorthand principles and the technique of speed; a review and application of the rules of punctuation; dictation selected with the view to building vocabulary and giving the student an introductory knowledge of desirable office practices and personality traits essential to success in office work; transcription.

Commerce 303. (Formerly Commerce 203.) Secretarial Practice. **Three hours.**

Prerequisites: Commerce 151, 152, 253, 215, 216.

Purpose: To develop speed in transcribing, and to familiarize the student with office procedure.

Topics: Advanced dictation and transcription including a study of vocabularies of leading lines of business; effective office arrangement and display of typewriting; duties of a secretary; dress, deportment, and ethics; use and care of office machines; selection of office supplies; filing; use of office reference books; reporting speeches and meetings; actual stenographic experience.

Commerce 309. (Formerly Commerce 209.) Business Organization. **Three hours.**

Prerequisite: Commerce 230.

Purpose: To acquaint the student with the different types of business organization.

Topics: Classes of business organization, their evolution, and the tests of efficiency; individual entrepreneur organization; partnership; corporation; joint-stock company; business trusts; simple agreements and price combinations; pools; combination trusts; community-of-interest organization; holding company; amalgamations; mergers; promotion; underwriting; stock exchanges; reorganizations and receiverships; legislation.

Commerce 310. (Formerly Commerce 210 and 321.) American Economic History. **Two hours.** See Economics 310.

Commerce 324. (Formerly Commerce 224.) Money and Banking. **Three hours.** See Economics 324.

Commerce 325. Principles of Accounting—Advanced. **Three hours.**

Prerequisites: Commerce 119, 120, 221.

Purpose: To further prepare students who expect to teach accounting and bookkeeping, and to give a broader knowledge of the subject to those interested in business administration. The course is also planned for those desiring to prepare themselves for public or private accounting work.

Topics: A detailed study of financial statements; the use of working papers involving departmental accounting and distribution of expenses; operating statements; various problems that arise in partnership accounting; specific problems that arise in corporation accounting. The principles discussed in class will be illustrated with problems. No set will be worked.

Commerce 326. Principles of Accounting—Advanced. Three hours.

Prerequisites: Commerce 119, 120, 221.

Purpose: This course is a continuation of Commerce 325.

Topics: Profits; surplus; dividends; statement of new assets and their application; statement of affairs; statement of deficiency; realization and liquidation statement; depreciation; reserves; valuation accounts; earned surplus appropriations; funds and related reserves and earned surplus appropriations; good will; secret reserves. The principles discussed in class will be illustrated with problems. No set will be worked.

Commerce 327. Cost Accounting. Three hours.

Prerequisites: Commerce 119, 120, 221.

Purpose: This course is of value to those who desire to teach the subject or who desire accounting work beyond the elementary field. The person interested in business administration or who plans to do public or private accounting work will find the course practical for his needs.

Topics: Classifications of costs; process and specific order; use of cost records; perpetual inventories; materials; labor costs; manufacturing expense; distribution of service department costs; distribution of manufacturing expense to production; the cost to make and sell; estimating cost systems; establishment of standard costs; the uses of standard costs; some legal phases of cost accounting. A set of books dealing with cost accounting will be kept.

Commerce 328. Income Tax Accounting. Three hours.

Prerequisites: Commerce 119, 120, 221.

Purpose: To give the student an understanding of some of the underlying principles of Federal and State income tax laws and the methods of filing income tax returns.

Topics: Income tax legislation—Federal and State; returns for individuals; exempt income of individuals; deductions allowed individuals; computation of individual taxes; returns for estates and trusts; returns for partnerships; returns for corporations; accounting procedure; administrative procedure; the capital stock tax; the excess profits tax; the estate tax; the gift tax; excise taxes. Students will have experience filling out income tax return forms.

Commerce 341. (Formerly Commerce 241.) Salesmanship. Three hours.

Purpose: To give information essential to those students who desire to teach the subject and to those who expect to do actual selling.

Topics: The art of selling, the motive behind all buying, the customer's mental journey, attitudes of buyer and salesman, preparation of the selling talk, the pre-approach, the interview, arousing interest, creating desire, answering objections, meeting excuses, diplomacy of the close, types of customers.

Commerce 342. (Formerly Commerce 242.) Advertising. **Three hours.**

Purpose: To acquaint the student with some of the principles of advertising and to present certain very essential phases of procedure to be followed in advertising work.

Topics: The specific purpose of advertising, developing the copy, slogans, trade-marks, layouts, engraving, scheduling of advertisements in newspapers and magazines, direct mail advertising, outdoor advertising, dealer display advertising, packages, radio advertising, determining the value and results of advertising.

Commerce 370. Contemporary Social and Economic Problems. **One hour.** Required of all juniors majoring in Commerce.

Commerce 371. Contemporary Social and Economic Problems. **One hour.** A continuation of Commerce 370. Required of all juniors majoring in Commerce.

Commerce 405. (Formerly Commerce 305.) Business Law. **Three hours.**

Purpose: The purpose of this course is to familiarize the student with the principles of law which affect his everyday business relationships, and to enable him to teach the subject in high school or college.

Topics: Law in general, kinds of law, persons, torts, contracts, agency, personal property, real property.

Commerce 406. (Formerly Commerce 306.) Business Law. **Three hours.**

Purpose: The purpose of this course is to familiarize the student with further principles of law which affect his everyday business relationships, and to enable him to teach the subject in high school and college.

Topics: Market transactions; bailments; sales and contracts to sell; practices prejudicial to a competitor; practices prejudicial to the public; legislative regulation of market practice; bills, notes, and checks; stocks and bonds; liens and mortgages; bills of lading and warehouse receipts; contracts of guaranty and suretyship; powers of creditors; privileges of debtors.

Commerce 425. (Formerly Commerce 325.) Accounting Problems. **Two hours.**

Prerequisites: Commerce 119, 120, 221.

Purpose: To acquaint the student with problems met in various fields of accounting and to introduce the student to some C. P. A. problems.

Topics: Special types of statements; revision and correction of financial statements; corporate bonds and sinking funds; amalgamations and mergers of corporations; holding companies and consolidated balance sheets; adjustments and analysis of surplus, consignment and joint ventures; selling agencies; fire loss and insurance adjustments; installment sales. No set will be kept. The work will be in the nature of problems.

Commerce 430. (Formerly Commerce 330.) Public Finance. **Two hours.** See Economics 430.

Commerce 431. Taxation. **Two hours.** See Economics 431.

Commerce 440. (Formerly Commerce 340.) Investments. **Three hours.**

Prerequisite: Commerce 230.

Purpose: To give the student information concerning the fundamental principles of sound investments, to help the average person to work out a plan for his investments, and to teach the importance of thrift and saving.

Topics: The importance of capital in present day economic society, classification of securities, analyses of securities, possibilities of investment in different classes of securities, financial institutions, the mechanics of investments, the effect of taxation on investment policies, investment and the business cycle, business forecasting, and the determination of an investment policy.

Commerce 443. (Formerly Commerce 343.) Marketing. **Three hours.**

Prerequisite: Commerce 230.

Purpose: To provide the student with information concerning the economics of distribution and distributive agencies and their functions.

Topics: Consumers' buying motives, marketing functions and institutions, selling direct to consumer, earlier and simpler types of retail institutions, department stores, mail-order houses, chain stores, agricultural wholesale markets, middlemen of the city agricultural markets, classes and types of wholesalers, raw materials, cooperative marketing, speculation, prices and some price policies, brands and brand policies, ethical aspects of marketing.

Commerce 461a. The Teaching of Stenography. **Three hours.**

Prerequisites: Commerce 151, 152, 215, 216.

Purpose: To give the student a knowledge of classroom procedures and methods in teaching Gregg shorthand, typewriting, and office practice.

Topics: Objectives in teaching shorthand, typewriting, and office practice; methods of teaching shorthand, typewriting, and office practice, including a survey of the direct method of teaching shorthand and typewriting and the functional method of teaching shorthand; textbooks and supplementary materials available; motivation and methods of study; types of examinations and their importance; classroom equipment; blackboard shorthand penmanship.

Commerce 461b. Methods of Teaching Bookkeeping, Accounting and Junior Business Training. **Three hours.**

Prerequisites: Open to students who are taking a major or minor in Commerce and who have completed Commerce 119, 120, 221, or the equivalent.

Purpose: To give the student various phases of classroom procedure and methods in teaching bookkeeping, accounting, and junior business training.

Topics: Objectives in giving bookkeeping, accounting, and junior business training courses; textbooks suitable for use; supplementary material; methods of approach; how to teach certain phases of our financial life, communication, travel and transportation, buying and selling; the work at the end of a fiscal period for bookkeepers and accountants, including accrued and deferred items, adjusting entries, working sheet, financial statements, closing entries; suitable examinations.

Commerce 470. (Formerly Commerce 570.) Seminar. **One hour.** Required of all seniors majoring in Commerce.

Commerce 471. (Formerly Commerce 571.) Seminar. **One hour.** Required of all seniors majoring in Commerce.

HOME ECONOMICS

Miss Dix

Miss Burrier

Miss Slater

Home Economics 101. (Formerly Home Economics 110.) Textiles. **Two hours.**

Purpose: To acquaint the student with standard fabrics on the market suitable for clothing and house furnishings; to give the student a knowledge of the proper treatments in the laundering of the various classes of textile fibers; to develop in the student an appreciation of good textile fabrics; and to develop an understanding of the student's responsibility as a consumer and a teacher.

Topics: Microscopic study of fibers; simple household tests for the determination of fiber content; reaction of acids and alkalies on

the various fibers; study of the manufacture of fibers and fabrics; identifying materials by commercial names; economic and social aspects of textile purchase; removal of stains; laundering.

Home Economics 102. (Formerly Home Economics 103.) Source, Selection and Cost of Foods. **Two hours.**

Purpose: To familiarize the student with marketing problems, and to teach the kinds and grades of foods.

Topics: The processes that food undergo from the producer to the consumer; how to purchase; where to purchase; food budgets; variety, source, selection, and comparative cost of foods used in the home.

Home Economics 155. Costume Design. **Two hours.**

Purpose: The course is planned to give a general knowledge of the principles of design as they relate to the costume. This course is for the special art student and the home economics major.

Topics: Color, form, line, texture, history of costume, projects for the secondary school, costuming plays; technical problems of the representation of costumes in water color, pen and ink, crayon and tempers; appreciation of the work of costume designers.

Home Economics 203. (Formerly Home Economics 111.) Garment Making. **Three hours.**

Purpose: This course is designed to acquaint the student with the fundamentals of garment construction. Emphasis is placed on both hand and machine sewing. It also aims to develop an appreciation for artistic clothing in order that the individual may more wisely select ready-made garments.

Topics: Study of the sewing machine and attachments; making of simple patterns; selection of materials suitable for simple wash dress, kimona or gown; study of materials, colors and designs suitable for various undergarments; care and repair of clothing.

Home Economics 204. (Formerly Home Economics 101.) Nutrition and Food Preparation. **Three hours.** Laboratory fee, \$1.50.

Purpose: To familiarize the student with the general composition and the place in the diet of foods; to teach the fundamental principles of preparation of foods.

Topics: Principles involved in the preservation of foods, in the cookery of sugars, fats, starches, fruits, vegetables, batters, doughs, milk, eggs, meats, and beverages.

Home Economics 205. (Formerly Home Economics 201.) Meal Planning, Preparation and Serving. **Three hours.** Laboratory fee, \$5.00. (During a semester each student enrolled for this class receives 25 meals from this fee.)

Prerequisite: Home Economics 204 or its equivalent.

Purpose: To enable the student to plan, prepare and serve well-balanced home meals at varying costs; to familiarize students with different types of table service; and to teach table etiquette.

Topics: Principles of well-balanced meals; preparation and serving of well-planned meals with different types of services; study of the respective duties of host, hostess, guests, members of the family, and waitresses; computation of costs of various types of meals; table decorations and accessories for various occasions; care of dining-room equipment.

Home Economics 206. (Formerly Home Economics 112 and 212.) Dressmaking. **Two hours.**

Prerequisite: Home Economics 203 or equivalent.

Purpose: The purpose of this course is to let the student acquire knowledge of appropriate and becoming clothing; to aid the student in interpreting commercial patterns; to create in her a confidence in cutting, fitting and altering commercial patterns to suit an individual; to teach the economic values of renovation and remodeling through a practical problem.

Topics: Study of line, color and design in materials suitable to different types of figures; alterations of commercial patterns; special treatments in cutting, fitting, construction and finishing of dresses of cotton, linen, and silk.

Home Economics 207. (Formerly Home Economics 113 and 213.) Care and Selection of the Wardrobe. **Two hours.** Not open to Home Economics majors.

Purpose: This course is planned for students who wish to make an intelligent study of the wardrobe and know more about the selection of ready-made clothing, but do not wish to sew.

Topics: The clothing budget; planning the wardrobe with special emphasis on kinds, numbers, suitability of garments and accessories; purchasing habits; a study of cost and method of caring for clothing.

Home Economics 209. Home and Social Problems for Women. **Two hours.**

Purpose: To create a desire for higher home and social standards, thereby preparing women for efficient home-making.

Topics: Nutrition, meal planning and home cookery; marketing; furniture selection and arrangement; clothing selection; family relations; home nursing; child care; social etiquette.

Home Economics 222. Interior Decoration. **Two hours.**

Purpose: A general survey course for the student who desires a knowledge of the principles of design in relation to interiors. Special emphasis is placed on the house and its design.

Topics: Architecture; the house and its setting, types of houses; exterior and interior architecture; ornament. Study of period styles

in furniture and furnishings. Treatment of interiors—color, form, line, texture in furniture and furnishings in relation to backgrounds.

Home Economics 231. Home Nursing. **Two hours.** See Health 231.

Home Economics 301. (Formerly Home Economics 224.) Household Equipment. **Two hours.**

Purpose: To familiarize girls with various types of modern household furnishings; to appreciate the importance of standardization; to enable them to purchase equipment of various types; to help them realize the value of labor-saving devices in the home.

Topics: Laundry and kitchen furnishings, electric and non-electric; cleaning equipment; bedding; linens; china; glassware; silver; floor coverings; wall coverings; furniture.

Home Economics 302. (Formerly Home Economics 102 and 202.) Advanced Cookery. **Three hours.** Laboratory fee \$3.00.

Prerequisite: Home Economics 204.

Purpose: To teach the scientific principles of cookery; to develop skill in cookery.

Topics: Sugar cookery, fruits and vegetables, jelly, gelatin, meat, emulsions, milk, egg cookery, wheat flour and bread, batters and doughs, fats and oils.

Home Economics 303. (Formerly Home Economics 225.) The Family. **Two hours.**

Purpose: To study the family as an organization considering it from an economic and social standpoint.

Topics: Psychological factors which go to make happy family life, place of children in the family, economic independence of women, homemaking as a profession, distribution of the family income.

Home Economics 304. (Formerly Education 304.) Materials and Methods for Teaching Vocational Home Economics. **Three hours.**

Prerequisites: Eighteen hours of Home Economics, Education 111, Education 314, and Education 364.

Purpose: To give the student experience in the evaluation of teaching Home Economics subjects; experience in the organization of materials for the teaching of these subjects; experience in the co-ordination of school work with life's activities.

Topics: Underlying principles of teaching, methods of presentation of various subjects and topics, observations of teaching, laboratory equipment, types of laboratories, books and periodicals.

Home Economics 305. (Formerly Home Economics 316.) Tailoring. **Two hours.**

Prerequisite: Home Economics 203 or its equivalent.

Purpose: The ultimate aim of this course is to give prospective

teachers experience in the handling of woolen materials and to acquaint them with the principles of tailoring.

Topics: Cutting, fitting, constructing and finishing a tailored dress for an adult and a coat for either an adult or a child.

Home Economics 306. Advanced Nutrition. Three hours.

Prerequisite: Chemistry 220.

Purpose: To give the student fundamental knowledge of the food nutrients and the function of each to the body.

Topics: History of nutrition, food and its function, processes of nutrition.

Home Economics 401. (Formerly Home Economics 301.) Dietetics. Three hours.

Prerequisites: Home Economics 204, 205, Chemistry 220 and Biology 481 or registration in Biology 481

Purpose: To give students an opportunity to know the essentials of an adequate diet and the nutritive value of common foods; to apply the fundamental principles of human nutrition to the feeding of individuals under various physiological, economic and social conditions.

Topics: Composition of common foods, requirements of the body under different living conditions, dietary problems, prevention of diseases through the diet.

Home Economics 402. (Formerly Home Economics 331.) Child Development. Three hours.

Prerequisites: Education 111, Education 314.

Purpose: To teach the care necessary for the physical, mental, emotional, and social development of the child from infancy through adolescence.

Topics: Prenatal care of the infant; physical care of the child; standards of mental development, and factors affecting these; standards of emotional stability; training for social normality.

Home Economics 403. (Formerly Home Economics 321.) Home Management. Four hours.

Prerequisites: Home Economics 102, 204, 205 and junior or senior standing with a minimum of sixteen hours in Home Economics.

Students must see the head of the Home Economics department for appointment to live in the Home Management House. Reservations should be made several weeks prior to the beginning of the semester.

Home Economics 404. Institutional Cookery. Three hours.

Purpose: To teach the application of scientific, economic and sociological principles of cookery for the feeding of large numbers of people.

Topics: Preparation of food in large quantities for various size groups.

Home Economics 405. Institutional Management. **Three hours.**

Purpose: To acquaint the student with various types of institutional management.

Topics: Organization, management and equipment of institutions such as tea rooms, cafeterias, and hotel dining rooms; trips to visit large eating places, hotels, and school cafeterias.

Home Economics 455. Advanced Costume Design. **Two hours.**

Prerequisite: Home Economics 155.

Purpose: To acquaint the student with the influence of historic costume on modern dress and to acquaint them with the work of modern dress designers.

Topics: History of costume; draping and designing.

Home Economics 466. Problems in the Teaching of Home Economics. **One hour.**

Prerequisites: Senior standing and approval of the head of the department.

Purpose: This course is designed to give the student an opportunity to do laboratory work in connection with specific problems concerning the teaching of home economics

Topics: Problems related to instruction and community work in the field of home economics.

INDUSTRIAL ARTS

Mr. Deniston

Mr. Lascoe

Mr. Whalin

Industrial Arts 100. General Shop. **Three hours.** Fee, \$1.00.

Purpose: To give the student an insight into several divisions of industrial arts and present information and develop skills that will be of value to the average citizen.

Topics: The following units are included: Drawing, wood-working, metalworking, finishing, electrical, home mechanics, and craft. Emphasis will be placed on projects, exercises, and related information in each unit.

Industrial Arts 141. Elementary Cabinet Construction. **Three hours.** Fee, \$1.00.

Purpose: To develop skill in performing the common operations in elementary cabinet construction and to acquire related information.

Topics: The common hand tools, principles of construction, the process of finishing, and the characteristics of the ordinary cabinet woods will be studied. Projects will be built involving the fundamental operations. This is the basic wood-working course.

Industrial Arts 191. Elementary Mechanical Drawing. **Three hours.**

Purpose: Given as the foundation course for machine and architectural drawing.

Topics: This course is for students who have never studied any phase of mechanical drawing. A time limit is set upon each drawing suitable for the average student. The work covers the study of lettering, drafting room conventions, inking, tracing and blueprinting. Free hand sketches of problems are given to the student from which working drawings are made.

Industrial Arts 222. Primary Handicraft. **Two hours.** Fee, \$1.00.

Purpose: A course dealing with the typical forms of industrial arts applicable to the conditions in the primary grades.

Topics: A study of subject matter, methods, and the use of materials involving lectures; readings, reports, discussions, observations and laboratory work.

Industrial Arts 233. Industrial Arts Design. **Two hours.**

Prerequisite: Industrial Arts 191 or Art 260.

Purpose: To give the student a working knowledge of applied industrial design; to enable the student to select and enjoy good commercial design.

Topics: The fundamental principles of constructive, decorative and pictorial art are studied. The problems given involve the practical application of these principles to the various articles made in other shop courses. Actual classroom work is done in designing and rendering with pencil, pen, ink and color

Industrial Arts 242. Intermediate Cabinet Making. **Three hours.** Fee, \$1.00.

Prerequisites: Industrial Arts 141 and Industrial Arts 191.

Purpose: To give the student additional cabinet making practice using turned work.

Topics: Selection of problems, practice work on wood lathe, making of turned elements, and assembling of projects. Attention will be given to the sharpening of tools, their care, and the finishing of projects.

Industrial Arts 249. Wood Finishing and Decoration. **Two hours.** Fee, \$1.00.

Prerequisite: Industrial Arts 141.

Purpose: To familiarize the student with the different methods of finishing and decorating.

Topics: The work offered in this course covers the making of a series of panels showing the methods and value of the different types of finishes. In addition students are given practical work in painting, interior finishing, and the refinishing of furniture. Lectures will be given upon the different materials used.

Industrial Arts 280. (Formerly Industrial Arts 281). General Metalworking. **Three hours.** Fee, \$1.00.

Purpose: To acquire information and develop skill in the fundamentals of the different phases of metalwork.

Topics: This course will consist of operations and information in bench metal, machine shop practice, sheet metal and art metal. Projects will be required from each unit.

Industrial Arts 292. (Formerly Industrial Arts 392.) Elementary Machine Drawing. **Three hours.**

Prerequisite: Industrial Arts 191.

Purpose: To teach technique, speed, and accuracy in the making of detailed drawings; assembly drawings in accordance with standard drafting room conventions.

Topics: A study is made of the principal forms of bolts, screws, threads, nuts and conventions. The student secures his problem from perspective with dimensions, tabular data, and from sketches made from actual machine parts. Detail drawings in sections, assembly drawings from details, and detail from assembly drawing will constitute the main body of this course.

Industrial Arts 293. Advanced Mechanical Drawing. **Three hours.**

Prerequisite: Industrial Arts 191.

Purpose: To give the student additional training in mechanical drawing.

Topics: The problems of the elementary course will be continued with special emphasis on technique. A shorter time limit will be placed on plates. Drawings will be correlated with the shopwork whenever possible.

Industrial Arts 299. Lettering. **One hour.**

Purpose: Given to acquaint students with simple methods of lettering suitable for school use.

Topics: The work begins with thin line, single stroke letters, followed by various alphabets of wide line filled in, and ornamental types. Initial letters and monograms are designed. The lettering of school posters and signs receives special attention.

Industrial Arts 303. Shop Equipment. **Two hours.**

Purpose: To give students information and experience in shop planning and advice on the selection of equipment.

Topics: A study will be made of various types of industrial arts shops and their equipment. A number of shop plans with complete lists of equipment will be made.

Industrial Arts 323. Weaving and Upholstering. **Two hours.**

Prerequisite: Industrial Arts 242.

Purpose: To teach simple upholstery, caning and weaving.

Topics: Methods of upholstering a plain surface; upholstering frame structures; upholstering with springs; renovation; caning; split and fiber weaving; materials, tools, and tool operations.

Industrial Arts 343. Advanced Cabinet Making. **Three hours.** Fee, \$1.00.

Prerequisites: Industrial Arts 141 and Industrial Arts 242.

Purpose: To give instruction and experience in advanced cabinet and furniture construction and to develop skill in the operation of woodworking machinery.

Topics: Advanced projects will be made that involve skill in the use of machines and tools. Such problems as reeding, fluting, carving, inlaying, veneering, and dovetailing will be done. A certain amount of related information is required.

Industrial Arts 344. Wood Turning. **Three hours.** Fee, \$1.00.

Prerequisite: Industrial Arts 242.

Purpose: To give the student a thorough knowledge of the common wood turning problems and to develop a high degree of skill in performing the different operations.

Topics: Instruction will be provided in the use of the lathe and the sharpening of tools. Operations will be performed involving spindle; face plate; chuck turning; finishing and polishing. A series of exercises and projects will be required.

Industrial Arts 361. Organization and Administration of Industrial Arts. **Two hours.**

Prerequisite: Junior standing.

Purpose: To provide the teachers and administrators with a background and information concerning the organization, administration, and supervision of industrial arts.

Topics: Analysis of the administrative officer, organization, instructional material, tests and measurements, professional reading, and the supervision of instruction.

Industrial Arts 382. (Formerly Industrial Arts 487.) Machine Shop Practice I. **Three hours.** Fee, \$1.00.

Prerequisite: Industrial Arts 100 and Industrial Arts 280.

Purpose: To acquaint the student with materials, machines, methods and operations which are employed in machine shop practice.

Topics: The work includes the study and operation of the most common machine lathes used in school shops, machine tools, and machining methods on simple tool projects.

Industrial Arts 383. Art Metal Work. **Three hours.** Fee, \$1.00.

Purpose: To develop skill in the working of the soft metals and mild steel into projects that are artistic in design and useful. A knowledge of the characteristics and production of these metals will be gained.

Topics: The student will perform operations in laying out, raising, planishing, chasing, etching, forming, spinning, turning, and finishing metals. Bending, twisting, drilling, riveting, and welding will be done in ornamental iron. A number of projects will be made that involve these operations.

Industrial Arts 385. Sheet Metal Work. **Three hours.** Fee, \$1.00.

Purpose: To develop skill in performing the common operations in sheet metal and acquire related information.

Topics: This course will include the care and use of the common sheet metal tools and machines, the making of layouts, templates, and a series of projects involving such operations as soldering, seaming, punching, riveting, forming, and spot welding.

Industrial Arts 394. Elementary Architectural Drawing. **Three hours.**

Prerequisite: Industrial Arts 191.

Purpose: To give fundamental practice in architectural drawing.

Topics: Lettering; elements of architecture; mouldings; shades and shadows; wash work; rendering; drawing from model or cast; sketching; lectures.

Industrial Arts 444. Machine Woodworking. **Two hours.** Fee, \$1.00.

Prerequisite: Industrial Arts 343.

Purpose: To acquaint students with special operations, repair, and servicing of power woodworking machinery.

Topics: In this course emphasis is placed on practical work. The shop is equipped with modern woodworking machinery. Instruction is given through demonstrations, assignment, information, and operation sheets. Students are taught the care and maintenance of shop equipment.

Industrial Arts 466. (Formerly Industrial Arts 366.) Teaching of Industrial Arts. **Two hours.**

Prerequisite: Senior standing.

Purpose: Given as an informational course to students wishing to teach industrial arts.

Topics: The problem of teaching from the standpoint of industrial arts; organization of subject matter; methods of presentations; organization and class management; types of lessons; lesson plans; demonstrations, testing and system of grading.

Industrial Arts 487. Machine Shop Practice II. **Three hours.** Fee, \$1.00.

Prerequisites: Industrial Arts 100, Industrial Arts 280, and Industrial Arts 382.

Purpose: Designed as an advance course in machine shop practice.

Topics: The advance work in machine shop practice will consist largely of layout work, jig set ups, shop mathematics, and blue print reading. Practical work will consist of moulding, casting simple forms, machining different types of tapers, fits, thread cutting, shaping, milling, and heat treating of different metals.

Industrial Arts 496. Advanced Architectural Drawing. Three hours.

Prerequisite: Industrial Arts 394.

Purpose: Given as a final test of student ability in architectural work.

Topics: Student, with the instructor's approval, will select a project and make a suitable esquisse and rendu of same.

LIBRARY SCIENCE

Miss Floyd

Miss Bennett

Mrs. Whitehead

Library Science 166. Library Orientation. One hour.

Purpose: To give the student a working knowledge of the library in order to be able to use it most intelligently and effectively.

Topics: The course includes discussions of the card catalog, library plans, principles of classification, mechanical make-up of the books, reference books, indexes, bibliographies, and printed aids in book selections.

DIVISION OF FINE ARTS

Mr. Van Peursem
Miss Agna
Miss Campbell
Mr. Fitz

Miss Fowler
Miss Gibson
Mr. Giles

Mr. Kinzer
Mrs. Seevers
Mr. Stone
Miss Telford

ART

Miss Fowler

Mr. Fitz
Miss Gibson

Mr. Giles

Art 117. (Formerly Art 115 and 116.) Elementary Drawing and Design. **Four hours.**

Purpose: Development of technical skill and creative ability through fundamental training in the use of line, form, tone and color. A beginning course of general appeal, also an essential foundation course for the special art student and the home economics major.

Topics: Representation of simple objects, plants, birds, animals, the human head and figure. Elementary study of perspective, light, and shade composition, color, design, pencil and pen drawing. Mediums employed include pencil, charcoal, crayon, water-color, clay, pen and ink.

Art 118. Art Media. **Three hours.**

Prerequisite: Art 117.

Purpose: This course constitutes a course in laboratory practice designed to meet individual needs and abilities in a variety of art media.

Topics: Problems in design, drawing, and painting; charcoal, pen and ink, pastel, water color, tempera, colored chalk, pencil, and oil.

Art 155. (Formerly Art 355.) Costume Design. **Two hours.**

Purpose: The course is planned to give a general knowledge of the principles of design as they relate to the costume. This course is for the special art student and the home economics major.

Topics: Color, form, line, texture, history of costume, projects for the secondary school, costuming plays; technical problems of the representation of costumes in water color, pen and ink, crayon and tempers; appreciation of the work of costume designers.

Art 200. (Formerly Art 190.) Appreciation of Art. **Two hours.**

Purpose: Establishment of a basis for judgment and good taste through a survey of the development of architecture, sculpture, painting, design, and the applied arts, with emphasis placed upon the analysis of selected examples.

Topics: Architecture, sculpture, painting, the graphic arts, printing and advertising art, industrial arts, color, design, dress, the theatre, community art, art in the home.

Art 217. (Formerly Art 216 and 225.) Lettering and Poster Design. **Two hours.**

Purpose: Development of appreciation of good typography and good design in lettering and posters. Development of the ability to apply art principles in the production of hand lettering and effective posters.

Topics: The fundamental styles of lettering; their origin and development, their possibilities for use and adaptation. Problems in spacing and page arrangement, including the making of monograms, notices, show cards. Application of advertising principles to the making of simple posters.

Art 222. Interior Decoration. **Two hours.**

Purpose: A general survey course for the student who desires a knowledge of the principles of design in relation to interiors. Special emphasis is placed on the house and its design.

Topics: Architecture; the house and its setting, types of houses; exterior and interior architecture; ornament. Study of period styles in furniture and furnishings. Treatment of interiors—color, form, line, texture in furniture and furnishings in relation to backgrounds.

Art 260. (Formerly Art 161.) Public School Art. **Two hours.**

Purpose: A course for the grade teacher who wishes to become more efficient in the teaching of lettering, design, color, representation, construction and appreciation in the elementary school. Units of work are based on the minimum content essentials, integrating art with the subject matter of the curriculum.

Topics: Problems are presented to develop skill in representation—drawing of the human figure, animals, birds, plants and constructed objects; color; design; lettering; bookmaking; appreciation.

Art 315. Drawing, Painting, and Composition. **Three hours.**

Prerequisite: Art 117 or equivalent.

Purpose: Development of technical skill and creative ability.

Topics: Drawing and painting in charcoal, crayon, chalk, oil and water color. Study of still life, outdoor sketching, perspective, composition.

Art 316. Drawing and Modeling. **Two hours.**

Prerequisite: Art 117 or equivalent.

Purpose: Development of graphic ability.

Topics: Drawing and modeling from the cast of head and figure; figure sketching and composition.

Art 321. Drawing and Illustration. **Three hours.**

Prerequisite: Art 117, 210, 217.

Purpose: To develop further creativeness and skill in drawing and in illustration of ideas.

Topics: Design, illustration in black and white and in color. Original illustrations for stories.

Art 361. (Formerly Art 261.) Art Education in the Elementary and Secondary School. **Three hours.**

Prerequisite: Art 260 or 117 or 217 or equivalent.

Purpose: A course for teachers who wish a general knowledge of present day theories and practices of art education in the elementary and secondary school.

Topics: The course of study, minimum content essentials, methods, standard of attainment, tests and measurements and equipment.

Art 372. Applied Design. **Three hours.**

Prerequisite: Industrial Arts 140 or 222.

Purpose: To develop through the use of materials and processes and through a study of fine examples of crafts an appreciation of good craftsmanship.

Topics: Application of design made to stenciling, linoleum block printing, leather tooling, tie-dyeing, soap carving, bookmaking, card weaving, enameling.

Art 390. (Formerly Art 290.) The History of Art. **Three hours.**

Purpose: To provide the student with a basic understanding of the development of the plastic arts.

Topics: An introduction to the study of the history of architecture, sculpture, painting, and minor arts of all nations; prints and slides are used for illustrative purposes.

Art 470. Advanced Drawing, Painting, and Illustration. **Three hours.**

Prerequisite: Art 315 or equivalent.

Purpose: This course is designed for advanced students of design and painting.

Topics: Pictorial composition; illustration; sketches and studies from still life, landscape. Mediums: Charcoal, pastel, water color, and oil.

Art 476. Advanced Painting. **Three hours.**

Prerequisites: Art 117, 315, 316, and preferably 215 or equivalent.

Purpose: Development of technical skill and appreciation for those desiring special training in painting mediums.

Topics: Painting in water color and oil from still life and the figure. The course will be adapted to the requirements of the particular group.

MUSIC

Mr. Van Peursem	Miss Campbell	
Miss Agna	Mr. Kinzer	Mr. Stone
	Mrs. Seevers	Miss Telford

MUSIC FEES

Individual instruction (Piano, organ, voice, violin, violoncello, band and orchestra instruments):

Two half-hour lessons per week, one semester.....	\$27.00
One half-hour lesson per week, one semester.....	18.00
Music 10a, 10b, 20a, and 20b, one semester.....	5.00
Music 230b, one semester	5.00
Music 240a and 240b, one semester	2.50
Practice room with piano, one hour daily, one semester	5.00
Use of college-owned violin, one semester	2.50

PIANO

Music 10a and 10b. (Formerly Music 18a and 18b.) Piano Class Instruction. **No credit.**

See music fees.

Purpose: To give group instruction, to provide a foundation for correct piano playing and to prepare the student for more advanced private study

Topics: Hand position, notation, simple melodies, and folk songs.

Music 11a and 11b. Piano. Individual Instruction. **No credit.** See music fees.

This course is an introduction to piano playing and is designed to fit the needs of the non-musician who wishes to learn to play the piano or who desires to prepare himself for Music 211a. The work may be completed in one year, or it may require more time, according to the ability and application of the student.

Topics: Major scales and tonic chords.

Kohler, Op. 190; Streabbog, Op. 63; Bilbro, Progressive Early Grade Studies; Loeschorn, Op. 65, Bk. I.

Music 211a and 211b. Piano. Individual Instruction. **Two hours.**

See music fees.

Topics: Schmitt Preparatory Exercises; all major and minor scales in parallel motion; tonic chords and inversions.

Burgmuller, Op. 100; Loeschorn, Op. 65, Bk. II; Bach-Carroll, Book for Beginners; Clementi, Easy Sonatas, Op. 36.

Music 212a and 212b. Piano. Individual Instruction. **Two hours.**

See music fees.

Topics: Schmitt Preparatory Exercises; major and minor scales in parallel and contra motion; tonic chords, and broken chords with inversions.

Heller, Op. 47; Duvernoy, Op. 120; Bach, Little Preludes; Clementi and Kuhlau Sonatinas.

Music 213a and 213b. Piano. Individual Instruction. **Two hours.**

See music fees.

Topics: Wolff, The Little Pischna; major and minor scales in parallel and contra motion; tonic broken chords and inversions; tonic and diminished seventh arpeggi.

Czerny, Op. 299; Heller, Op. 45; Bach, Two Part Inventions; Mozart, easiest Sonatas.

Music 214a and 214b. Piano. Individual Instruction. **Two hours.**

See music fees.

Topics: Philipp Exercises Pratiques; or Pischna; major and minor scales in thirds, sixths, and tenths; tonics, dominant, and diminished seventh arpeggi, and inversions.

Cramer (Bulow), Sixty Selected Studies; Bach, three part inventions; and Sonatas by Mozart and Haydn.

Music 215a and 215b. Piano. Individual Instruction. **Two hours.**

See music fees.

Topics: Philipp; Pischna, Exercises Journaliers; scales and arpeggi in faster tempi.

Bach, French Studies; Czerny, Op. 740; or Clementi, Gradu ad Parnassum; Beethoven, Sonatas.

VOICE

Music 20a and 20b. (Formerly Music 28a and 28b.) Voice. Class Instruction. **No credit.**

See music fees.

Purpose: To give group instruction, to provide a foundation for correct singing and to prepare the student for more advanced private study.

Music 21a and 21b. Voice. Individual Instruction. **No credit.**

See music fees.

This course is an introduction to voice and is designed to fit the needs of the non-musician who wishes to learn to sing or who desires to prepare himself for Music 221a. The work may be completed in one year, or it may require more time, according to the ability and application of the student.

Music 120. Chorus. One hour.

Purpose: (a) To encourage and foster a knowledge of and a desire to participate in choral singing, (b) to teach part singing, (c) to familiarize students with standard community and folk songs, with the more familiar choral works of the masters and with some of the simpler modern works for mixed chorus, (d) to acquaint prospective teachers with desirable high school choral material, (e) to illustrate ideals of choral singing and methods of attaining them.

Topics: Familiar and sacred songs, the best songs of the great song writers, and the simpler works for mixed chorus.

Music 221a and 221b. Voice. Individual Instruction. Two hours.

See music fees.

Topics: Breathing exercises inductive to correct breathing; diction, with emphasis placed on vowel formation; technical exercises to fit the individual need of the student.

Sieber studies; simple sacred and secular songs.

Music 222a and 222b. Voice. Individual Instruction. Two hours.

See music fees.

A continuation of the fundamentals introduced in the first year's work.

Topics: Scales, with emphasis on evenness of scale; Vaccai and Marchesi studies; songs from the English, Italian and German schools.

Music 223a and 223b. Voice. Individual Instruction. Two hours.

See music fees.

Topics: Continuation of scales, supplemented by other exercises leading to more rapid vocalization; Ponofka studies; art songs, with attention to interpretation and artistic performance.

Music 224a and 224b. Voice. Individual Instruction. Two hours.

See music fees.

Topics: Advanced technical exercises; selections from the standard operas and oratorios; songs in French, Italian and Classical Leider.

VIOLIN**Music 31a and 31b. Violin. Individual Instruction. No credit.**
See music fees.

This work may be completed in one year, or it may require more time, depending upon the ability and application of the student.

Topics: Such studies, scales, and exercises as will prepare the student to enter Music 231a.

Music 230a. (Formerly Music 238a.) Violin. Class Instruction. **One hour.**

Purpose: To provide for the beginner who wishes to learn to play the violin an opportunity to study the instrument under the stimulus of class instruction; to start the beginner on the road toward sufficient playing and technical ability to teach violin in class and to train the string section of a school orchestra.

Topics: Correct violin position for playing, resting and tuning; major scales and arpeggi in first position; bowing exercises; introduction to third position; study, discussion, and practice teaching in the class; and instrumental class procedure and methods.

Books I and II of various beginner's methods, three and four part ensemble material, and simple sight reading.

Music 230b. (Formerly Music 238b.) Violin. Class Instruction. **One hour.** See music fees.

Topics: Third position; bowing and finger exercises continued; fingering in half position explained and practiced; open harmonics; string and orchestral music introduced with careful attention given to correct position, tone production, and uniform bowing.

Book III of various beginner's methods, and supplementary practice and sight reading material.

Music 231a and 231b. Violin. Individual Instruction. **Two hours.**

See music fees.

Purpose: To develop technique and solo ability; to train the student to participate in the varied chamber music combinations; to acquaint the student with the orchestral literature.

Topics: Technical proficiency through the third position; two finger scales in these positions; two octave scales in all major keys; development of the technique of the left hand and of the bow arm; sight reading.

Studies and exercises by Kayser and Wohlfart Danca, Variations. Simple classical selections.

Orchestra attendance required.

Music 232a and 232b. Violin. Individual Instruction. **Two hours.**

See music fees.

Topics: Study of the positions; scales and arpeggi in all major and minor keys, in all positions; chord study, double, triple and quadruple; finger shifting and bowing exercises; one- and two-finger scales preparatory to octaves; broken octaves; sight reading.

Mazas, Opus 36; Kreutzer, Selected Studies; Fiorillo and Parre;

miscellaneous pieces; one or more of the simpler concertos and sonatas.

Orchestra attendance required.

Music 233a and 233b. Violin. Individual Instruction. **Two hours.**

See music fees.

Topics: Three octave scales; left and right hand pizzicato; varied bowing of the diminished seventh chord; all scales, ascending and descending on one string, with any one, two or three fingers; thirds; fingered harmonics.

Sevcik, Opus 8; Fiorillo; Rode; Wilhelmj, School of Thirds; Handel, Six Sonatas; Tartini, Sonata in G Minor.

Orchestra attendance required.

Music 234a and 234b. Violin. Individual Instruction. **Two hours.**

See music fees.

Topics: Scales in thirds and octaves; fingered octaves and tenths; cultivation and development of style and an understanding of the composition being played; sonatas and concertos of preceding years continued for public performance; extensive violin solo and chamber-music literature.

The student is required to do ensemble work in string quartette, and must be able to play first violin in the college orchestra.

WIND INSTRUMENTS

Music 41a and 41b. Wind Instruments. Individual Instruction. **No credit.**

See music fees.

This course is an introduction to wind instruments and is designed to fit the needs of the non-musician who wishes to learn to play the wind instruments or who desires to prepare himself for Music 240a and b, 241a. The work may be completed in one year, or it may require more time, according to the ability and application of the student.

Music 240a. (Formerly Music 248a.) Wood Wind Instruments. Class Instruction. **One hour**

Purpose: To provide for the beginner who wishes to learn to play a wind instrument an opportunity to study it under the stimulus of group instruction; to demonstrate methods of class instruction for prospective teachers of high school bands and orchestras.

Music 240b. (Formerly Music 248b.) Brass Wind Instruments. Class Instruction. **One hour.**

Purpose: To provide for the beginner who wishes to learn to play a wind instrument an opportunity to study it under the

stimulus of group instruction; to demonstrate methods of class instruction for prospective teachers of high school bands and orchestras.

Music 241a and 241b. (Formerly Music 243a and 243b.) Wind Instruments. Individual Instruction. **Two hours.**

See music fees.

Purpose: To provide instruction in wind instrument playing, to enable the student to become a proficient performer upon the instrument of his choice.

Topics: Embouchure; principles of tone production; breathing; tonguing; phrasing; and theory, including major and minor scales, arpeggi, and easy transpositions.

Music 246a and 246b. Band. **One-half hour.**

Open to Juniors and Seniors.

Purpose: To enable the student to become familiar with, and proficient in the performance of the best band literature; to enable the student to observe and study approved conducting practice; to acquaint the student and prospective director with efficient rehearsal routines.

Music 247a and 247b. Band. **One-half hour.**

Prerequisites: Music 246a and 246b.

A continuation of Music 246b.

ORGAN

Music 271a and 271b. Organ. Individual Instruction. **Two hours.**

Prerequisite: At least four years of piano study.

See music fees.

Topics: Elementary Instruction Book for the Hammond Organ; Clemens, Modern School for the Organ; Preparatory studies for manuals alone; Trios for manuals and pedals; Easy Arrangements for the Hammond Organ.

Music 272a and 272b, Organ. Individual Instruction. **Two hours.**

See music fees.

Topics: Buck, Studies in Pedal Phrasing; Bach, Selected Chorale Preludes; Easier Works of Mendelssohn, Guilmont, and other composers for organ.

Music 273a and 273b. Organ. Individual Instruction. **Two hours.**

See music fees.

Topics: Dupre, Seventy-nine Chorales; Bach, Selected Chorale Preludes; Selected Works from Guilman, Rheinberger, Mendelssohn; Selected Modern Compositions.

Music 274a and 274b. Organ. Individual Instruction. **Two hours.**

See music fees.

Topics: Bach; Chorale Preludes, Preludes and Fuges; Mendelssohn, Sonata I or II; Widor, Symphony II or IV, Selected Modern Compositions.

VIOLONCELLO

Music 81a and 81b. (Formerly Music 36a and 36b.) Violoncello. Individual Instruction. **No credit.**

See music fees.

Music 281a and 281b. (Formerly Music 236a and 236b.) Violoncello. Individual Instruction. **Two hours.**

See music fees.

HISTORY AND APPRECIATION

Music 255. (Formerly Music 201.) Music Appreciation. **Three hours.**

Purpose: To foster a love for, and understanding of, good music.

Topic: The best music of all times, reproduced on the phonograph; folk music, art songs, instrumental forms; instruments and instrumental music; the human voice.

Music 356a. (Formerly Music 202 and 302.) Music History I. **Two hours.**

Purpose: To increase the enjoyment and appreciation of the listener to music through the study of music history.

Topics: The development of music from the earliest times up to the Romantic period, and important facts concerning composers and the like. Extensive use is made of phonograph records.

Music 356b. (Formerly Music 203 and 303.) Music History II. **Two hours.**

Purpose: To continue the study of Music History begun in Music 356a.

Topics: Music from the Romantic period until the present time.

METHODS

Music 260. Public School Music. **Two hours.**

Purpose: To consider the subject matter of music in the rural and in the graded school, together with the educational principles applied to its presentation, and to acquire some of the skills necessary to the teaching of grade school music.

Topics: The aim of music in the grades, child voice, tone quality, unmusical singers, rhythmic development, staff notation, beginning music reading, use of the phonograph in singing and in rhythm and appreciation work, materials, and appreciation.

Music 263. Methods of Teaching Music Appreciation. **Two hours.**

Purpose: The primary aim of this course is to provide a knowledge of recorded materials and of the methods of organization and presentation of listening lessons in the first six grades.

Topics: Topics discussed in the course will be music for little children, mimetic activities, rhythm band, free rhythmic expression, directed rhythmic expression, story telling music, and music for quiet listening. Bibliographies of helpful materials about music and composers will be made. Types of phonographs and recordings will be studied. Lists of records suitable for presentation in each grade will be made giving attention to the integration of music with the units of work taken up in the study of general subjects. There will also be some observation of lessons in music appreciation taught in the training school.

This is a required course for students majoring in music. It is suggested as the second music course for those who are working for the Standard Certificate. It is open as an elective to all students who are interested in the teaching of music appreciation, or to those who wish to increase their own enjoyment of music.

Music 361. (Formerly Music 261.) Grade Methods and Materials. **Two hours.**

Prerequisites: Music 260 and 190, or the equivalent.

Purpose: To prepare the advanced student for the teaching and supervision of music in the grades, and to acquaint him with methods and materials.

Topics: Same as Music 260, but a more advanced consideration. The course includes observation and library reading.

Music 362. (Formerly Music 262.) Conducting. **Two hours.**

Prerequisites: Music 260 and 190, or the equivalent.

Purpose: To train students to conduct chorus and orchestra efficiently and to lead community singing.

Topics: Technique of the baton, tempo, attach, release, phrasing, dynamics, seating of the chorus and orchestra, discipline of rehearsals, and community music.

Music 363a and 363b. Teaching of Piano in Classes. **Two hours.**

Prerequisite: Music 213, or the equivalent.

Purpose: To prepare the advanced student for the teaching of class piano in the graded school.

Topics: Methods of teaching piano in classes, observation, and practice teaching.

Music 364a. Band and Orchestra Procedures and Materials. **Two hours.**

Offered during five weeks of Stephen Collins Foster Music Camp.

Purpose: To assist directors (1) to establish and follow a definite plan of instrumental instruction on a semester basis, (2) to make possible the fullest use of available rehearsal time, and (3) to develop student responsibility for assisting in administration of orchestra and band details.

Topics: Analysis and organization of various courses of study for instrumental groups of varying abilities; rehearsal routines; training student sectional leaders; duties which may be assumed by students; adaptation of practice quarters to fit acoustical needs; program mechanics for public appearances; publicizing and interpreting music activities; care of equipment; program and teaching materials; and consideration of the modified Prescott system and similar courses of study.

Laboratory work with ensembles from the Foster Music Camp; orchestra, band sections, and small ensembles; participation in marching band maneuvers; fundamentals and advanced formations. Candidates will be required to conduct organizations in rehearsal and public performance, applying the principles presented in class.

Music 364b. Band and Orchestra Procedures and Materials. **Two hours.**

Continuation of Music 364a.

THEORY

Music 190. (Formerly Music 150.) Elements of Music. **Two hours.**

Prerequisite: Music 260, or equivalent music experience.

Purpose: To provide, for those of some music experience, a thorough foundation in the elements of music notation and terminology, and the fundamental principles of reading by syllable, and to equip the student with such theoretical knowledge as is needed in order to begin profitably the study of harmony.

Topics: Staff notation, notes, rests, clefs, scales (various modes), keys, meter, chromatic tones, intervals, chords, cadences, abbreviations and other symbols, music terms, elements of form, solmization, music writing and simple dictation.

Music 291a. (Formerly Music 151 and 251.) Harmony I. **Two hours.**

Prerequisite: Music 190.

Purpose: To provide an elementary knowledge of the construction, classification, and progression of chords.

Topics: Major and minor scales, intervals, triads; dominant seventh with its resolutions; inversions; and harmony at the keyboard.

Music 291b. (Formerly Music 153 and 253.) Harmony II. **Two hours.**

Prerequisites: Music 190 and 291a.

Topics: Modulation by dominant seventh cadence in new key, common chord modulation, dominant ninth, chords of the seventh, and harmony at the keyboard.

Music 292a. (Formerly Music 152 and 252.) Sight Singing and Ear Training I. **One hour.**

Prerequisite: Music 190.

Purpose: To begin development of aural perception of music symbols, to teach association of the symbol with the tone it represents, and to teach reading and listening.

Topics: Sight singing of melodic exercises in major and minor keys, in various rhythms; tone groups, and verbal and tonal dictation, interval drill.

Music 292b. (Formerly Music 154 and 254.) Sight Singing and Ear Training II. **One hour.**

Prerequisite: Music 292a.

Topics: More difficult sight singing and tonal dictation, simple harmonic recognition, and more complex rhythms.

Music 391a. Formerly Music 251 and 351. Harmony III. **Two hours.**

A continuation of Music 291b.

Music 391b. (Formerly Music 253 and 353.) Harmony IV. **Two hours.**

A continuation of Music 391a.

Music 392a. (Formerly Music 252 and 352.) Sight Singing and Ear Training III. **One hour.**

A continuation of Music 292b.

Music 392b. (Formerly Music 254 and 354.) Sight Singing and Ear Training IV. **One hour.**

DIVISION OF MILITARY SCIENCE AND TACTICS

Major Adams
First Lieutenant Noble

First Lieutenant Reeves
Technical Sergeant Bentley

The primary purpose of the Reserve Officers Training Corps (ROTC), is to strengthen our national defense by providing trained men who would be available in time of war. The secondary purpose is to give educational training which, through the years, has been found distinctly valuable by college students who have taken the course.

As an essential element of military training, certain details of conduct are stressed in order that the student may complete his training well disciplined in mind and body. The particular methods employed by the military department are but a means to an end. The basic aim is to cultivate in each student habits of cheerful and unquestioning response to proper authority, loyalty, self control, precision, and alertness. These qualities together with professional knowledge and experience in command, develop leadership and personality; both valuable in peace and war.

The Federal Government supports military training (ROTC) by providing uniforms or their money equivalent; by detailing instructors and maintenance personnel from the Regular Army; by furnishing army equipment; and, in the case of advanced students, by quarterly money payments determined annually. R.O.T.C. training is given by the college under the regulations and supervision of the War Department. Credit towards graduation is allowed as for other college courses.

R.O.T.C. training contemplates four years of work. Hence, for those students who are ambitious and desire to obtain a commission in the Officers Reserve Corps of the United States Army, it is absolutely necessary for them to start the course in their freshman year. However, any student who has two years of college remaining may enroll in the basic course.

The four years work is divided into two parts: the BASIC course and the ADVANCED course, each of two years duration. Having enrolled in either course, a student will be required to complete the course unless he is released by proper authority or leaves school. However, the student **must have satisfactorily completed** the basic course before he becomes eligible for enrollment in the advanced course.

Enrollment in either course is voluntary and **DOES NOT OBLIGATE THE STUDENT FOR MILITARY SERVICE OR CALL TO DUTY IN ANY OTHER COMPONENT OF THE ARMY.** Students must be citizens of the United States and pass the physical examination in order to enroll in the course. One fifty-minute period per

week is set aside for corps day. On this day, the entire R.O.T.C. is turned out as a unit for military ceremonies. It is essential that R.O.T.C. men keep this hour open although Corps Day is not held every week.

Students who complete the basic course are given certificates of service and are considered valuable for national defense because they have had two years training and are potential non-commissioned officers.

Satisfactory completion of the four years work and a six weeks summer camp makes the man enrolled eligible to receive a commission as a Second Lieutenant of Field Artillery in the Organized Reserve Corps.

A reserve officer in peace time can be ordered to active duty training only AT HIS OWN REQUEST. In a declared National Emergency, reserve officers may be ordered to duty by the War Department.

ALLOWANCES AND COSTS

Students enrolling in the basic course receive no cash allowances but are issued articles of uniform for their personal wear to the value of approximately seventeen dollars. They are required to make a deposit of five dollars on these items to cover possible loss or damage NOT DUE TO ORDINARY FAIR WEAR OR TEAR. This deposit is similar to laboratory deposits for other courses and, if the articles of uniform are returned in good condition to the Custodian of Military Property at the end of the term, the entire amount of the deposit is returned to the student. The deposit is, of course, returned to students who may have to leave college, on return of the articles of uniform.

The articles of uniform issued to the students of the Basic Course are expected to last him for two years, and must be cared for by the student. At the end of the first year, if the student intends to return to college the following year, his uniform is cleaned (at Government expense) tagged with his name, and packed away in moth preventive for reissue to him on his return. Band uniforms are furnished by the college and the Government pays an allowance to cover the cost of them.

Text books for the basic course will cost about \$1.25 a year; for the advanced course about \$2.35. The total initial outlay will be \$6.25 of which his deposit of \$5.00 is returned to the student if he has taken good care of his uniform and government equipment.

Students who enroll in the advanced course receive two allowances: uniform and subsistence. The subsistence allowance is a daily one and runs from his enrollment in the course for two academic years exclusive of the period of the summer camp. In all, it amounts to about one hundred and fifty dollars. The uniform allowance is given the college to buy uniforms and the government

does not furnish uniforms for the advanced course students. All of this allowance must be spent on uniforms but the uniform becomes the property of the student when he completes his course. Since good quality uniforms are purchased, they can be worn by the newly commissioned reserve officer.

Upon completion of the first year of the advanced course, the student is required to attend a summer training camp for six weeks. His expenses going to and returning from camp are paid by the government. During his stay in camp, he is issued the necessary clothing for daily wear, is given free medical attention should it be necessary, is fed at government expense, and is paid about seventy cents a day.

During the camp, the student puts into practice what he has learned during his instruction in the school R.O.T.C. unit, and engages in service practice with the Field Artillery guns, for which an ammunition allowance is provided.

While in camp, he will normally do his work under the supervision of the officers who have given him his previous instruction, but will also meet and work with other officers and men from other units of the R.O.T.C., truly a broadening experience. In addition, two officers devote their time to promote and supervise recreational and athletic activities in the R.O.T.C. camp.

BASIC COURSE

Military Science 101. Introduction to Military Science. **One and one-half hours.**

Purpose: To give the student a thorough grounding in the fundamentals of military service and the elements of field artillery gunnery.

Topics: Military discipline and the customs of service; leadership; field artillery ammunition and material; duties of cannoneers and firing battery; military sanitation and first aid; obligations of citizenship; and elementary gunnery.

Military Science 101a. Basic Course in Military Band. **One and one-half hours.**

Military Science 102. Fundamentals of Military Training. **One and one-half hours.**

Prerequisite: Military Science 101.

Purpose: Continuation of introductory course in military science.

Topics: Military history and policy; leadership; duties of cannoneers and firing battery.

Military Science 102a. Basic Course in Military Band. **One and one-half hours.**

Prerequisite: Military Science 101a.

Purpose: This course is a continuation of Military Science 101a.

Military Science 201. Basic Military Fundamentals. **One and one-half hours.**

Prerequisite: Military Science 102.

Purpose: To give the student basic instruction in the work of the battery commander's detail, in leadership, and in automotive vehicle construction and operation.

Topics: Fire control instruments; map and aerial photograph reading; battery communications; leadership; automotive vehicle construction and operation.

Military Science 201a. Basic Course in Military Band. **One and one-half hours.**

Prerequisite: Military Science 102a.

Military Science 202. Basic Military Fundamentals. **One and one-half hours.**

Prerequisite: Military Science 201.

Topics: This course is a continuation of Military Science 201.

Military Science 202a. Basic Course in Military Band. **One and one-half hours.**

Prerequisite: Military Science 201a.

ADVANCE COURSE

Military Science 301. First Year Advanced Course. **Three hours.**

Prerequisite: Military Science 202.

Purpose: To introduce the student of military science to the work of field artillery personnel operating as a team and to advanced work in gunnery and the use of military motor vehicles.

Topics: Reconnaissance; selection and occupation of position including duties of battery officers; use of battery commander's detail, field artillery signal communications; liaison with the infantry; leadership; gunnery, including elementary ballistics and dispersion; preparation of fire; conduct of fire; military motor vehicles; and pistol marksmanship.

Military Science 302. First Year Advanced Course. **Three hours.**

Prerequisite: Military Science 301.

Purpose: A study of military team work, advanced gunnery, and motor vehicles.

Topics: This course is a continuation of Military Science 301.

Military Science 401. Advanced Work in Military Science. **Three hours.**

Prerequisite: Military Science 302.

Purpose: To develop in students of military science in the advanced course a facility in the functions of leadership by allowing them to act as officers in the R. O. T. C.; to introduce them to the subjects of military tactics, military history and policy, military law and administration.

Topics: Functions of command; instruction of basic R.O.T.C. students; military phases of motor vehicle operation; technical instruction in military tactics and work of the associated arms; military history and policy; the law of military offenses; the articles of war; courts-martial; and a study of the essentials of military administration.

Military Science 402. Advanced Work in Military Science. Three hours.

Prerequisite: Military Science 401.

Purpose: This course is a continuation of Military Science 401.

Topics: This course is a continuation of the study of the subject matter outlined in Military Science 401.

DIVISION OF BIOLOGICAL AND PHYSICAL SCIENCES

Mr. Hummel
Mr. Kennamer

Mr. Cox
Mr. Glover
Mr. Herndon

Mr. LaFuze
Mr. Rumbold

GENERAL SCIENCE

The two courses in survey of science are designed for elementary teachers and supervisors. They are primarily content courses dealing with the general fields of the biological and physical sciences. The subject matter of these courses include also aims in teaching elementary science, methods of presentation, and ways of collecting, using, and preserving materials for the teaching of science.

Science 110. Survey of Science. Three hours.

Not open to students who have had one or more courses in the physical sciences.

Purpose: The purpose of this course is to present the field of the physical sciences, their nature and interpretation.

Topics: This course deals with the important topics in physics, chemistry, geology and related subjects.

Science 111. Survey of Science. Three hours.

Not open to students who have had one or more courses in the biological sciences.

Purpose: This course is a continuation of Science 110 and presents in broad outline the field of the biological sciences.

Topics: This course deals with the important topics in biology, botany, zoology, and related subjects

Science 310. Problems in General Science. Three hours.

Not open to students who have had Science 110, Survey of Science, or Science 111, Survey of Science.

Purpose: The purpose of this course is to give the student a brief but adequate understanding of the field of general science.

Topics: This course is devoted to the important problems and developments in the field of general science.

Science 461. Materials and Methods of Teaching Science in Secondary Schools. Three hours.

Required of students taking the professional science major.

Purpose: To acquaint the prospective teacher with materials, devices and methods used in the teaching of science in secondary schools.

Topics: Selection of textbooks, manuals, supplementary readings, etc.; organization of laboratory space and purchase of equipment; making simple equipment; securing free and low cost materials; preparation and presentation of work units; visual aids; science demonstrations; test construction and administration; club-work; specimen collection and preservation, etc.

BIOLOGY

Mr. Rumbold

Mr. Glover

Mr. LaFuze

Biology 121. General Biology. Four hours.

Purpose: An elementary course intending to give the student a survey of the plant and animal kingdoms; to introduce the student briefly to genetics; to study man's structure, development, and relationship to other animals; to acquaint the student with the more complex phenomena of life.

Topics: Fields of biology; history of biology; algae; fungi; mosses, ferns, higher seed plants; intermediate forms; protozoa; porifera; coelenterata; segmented worms; insecta; vertebrates. The frog—digestive system, blood system, nervous system, excretory system, reproductive system, respiratory system, embryology, homology, and analogy; protective coloration; adaptation; and genetics.

Biology 231. Botany I. General Botany. Four hours.

Purpose. An introductory course in botany whose purpose is to give the student fundamental principles regarding the structure, function and reproduction of representative seed plants. Occasional field trips are provided in order to study plants growing in the field and greenhouse.

Topics: History of botany; cell structure and growth; detailed study of structure of root, stem, leaf, flower, fruit and seed; plant response to environment and plant heredity.

Biology 232. Botany II. General Botany. Four hours.

Prerequisite: Biology 121.

Purpose: To give the student a wider knowledge of the field of botany from the lowest algae to seed plants; to give an organized view of the structure, reproduction, and interrelationship of the four great plant groups.

Topics: Representatives of the four divisions of plants are studied as to their structure, reproduction, and economic importance. Three lines of development are followed: (1) development of plant body from simple to complex, (2) development of the concept of alternations of generations, (3) development of sex in plants.

Biology 241. Invertebrate Zoology. Four hours.

Purpose: This course is intended for students who desire to major in the biological sciences. It includes a detailed survey of the lower forms of the animal kingdom.

Topics: Protozoa, porifera, coelenterata, ctenophora, platyhelminthes, nemathelminthes, annelida, echinodermata, mollusca, and arthropoda in more detail than offered in Biology 121. Examples, characteristics, life histories, structures, and ecology with a discussion of their evolution.

Biology 242. Comparative Anatomy. Four hours.

Prerequisite: Biology 121 or 241.

Purpose: Intended for pre-medics and majors in biology and physical education. An intensive study of the comparative anatomy of the various systems of vertebrates, including dissection work.

Topics: The comparative anatomy of the skin, digestive, circulatory, respiratory, excretory, reproductive glands of internal secretion, skeletal, muscle, nervous and sense organs in vertebrates.

Biology 261. Nature Study. Three hours.

Prerequisite: Science 111 or Biology 121.

Purpose: This course is planned to meet the needs of students who are majoring in elementary education. The chief purpose of the course is to acquaint the prospective teacher with information and facts that may be used in an elementary study of nature.

Topics: Animal life, including a study of birds, fish, reptiles, mammals and insects; plant life, including wild flowers, cultivated flowers, flowerless plants and tree study; also elementary studies of the earth and sky, including soil, weather, stars and constellations. Proper methods of correlating such information with the subjects of health, geography, drawing, history, and arithmetic form a main consideration throughout the course.

Biology 325. (Formerly Biology 225.) Genetics. Two hours.

Prerequisite: Biology 121, or 231, or 241.

Purpose: Introduction to the laws of inheritance and their application to man, including a consideration of the factors underlying race deterioration and race betterment.

Topics: Mendel and Mendel's laws; recent workers including T. H. Morgan, chromosome theory of heredity, linkage, crossing over, interference, biometrics, race betterment, and race deterioration.

Biology 334. (Formerly Biology 234.) Plant Physiology and Ecology. Three hours.

Prerequisite: Biology 231.

Purpose: To give information concerning the physiological processes of plants and plant organs; to study plants in relation to their environment.

Topics: The study of absorption, transpiration, food making, respiration, and growth; adjustments of plants to their environment; plant distribution; plant societies.

Biology 335. (Formerly Biology 235.) Local Flora. **Two hours.**

Prerequisite: Biology 121 or 231.

Purpose: To familiarize the student with the local flora, to instruct in the use of various systematic keys to flora, and to enable the student to recognize and classify the flowering plants.

Topics: Various systems of classifications; the basis for scientific names. The most frequent and most important families of plants are studied from the standpoint of their flower and fruit characteristics as a basis of classification into families, genera and species. Identification of flowers is given a prominent place.

Biology 343. (Formerly Biology 243.) Economic Entomology. **Four hours.**

Purpose: To introduce to the student the most important insects economically on the farm, in the home, and in other habitats. Field work with the making of a collection of important economic insects.

Topics: Taxonomy of insects, anatomy and physiology of insects, life history, economic importance, methods of control.

Biology 444. (Formerly Biology 244 and 344.) Animal Parasites. **Four hours.**

Prerequisite: Biology 121 or 241.

Purpose: Course is intended for students preparing for medicine or public health work. A consideration of the animal parasites with particular emphasis upon those infesting man and their treatment.

Topics: Protozoa-Sarcodina (amoebic dysentery); Mastigophora (Trypanosomes); Spirochaetacea; Infusoria; Sporozoa, including various types of malaria; Platyhelminthes (flukes and tapes); Nematelminthes (ascaris, hook worm, trichina, whip worm, elephantiasis, guinea worm, etc.); prevalence of parasitic worms and remedial measures; animal parasites among Mollusca, Annelida, and Arthropoda; Archnida (mites and ticks); Arthropoda (lice, bed bugs, fleas, flies, mosquitoes); poisonous animals.

Biology 445. (Formerly Biology 245 and 345.) Embryology. **Four hours.**

Prerequisites: Biology 121 and 242.

Purpose: This course is designed primarily for majors and minors in the department and pre-medical students, acquainting them with the fundamental principles of embryology as found in the animal kingdom.

Topics: Complete study of the embryology of the starfish, frog, and chicken, with considerable work on mammalian embryology.

Biology 481. (Formerly Biology 381.) Animal Physiology. **Four hours.**

Prerequisite: Biology 121 or 241.

Purpose: This course is intended for majors in home economics, physical education, and biology. It is a course in functional zoology with a detailed study of the physiological processes in the human body.

Topics: Physiology of respiration, muscles, reproduction, excretion, nervous system, circulation, and digestion.

CHEMISTRY

Mr. Cox

Mr. Herndon

The chief function of this department is the training of chemistry and science teachers. However, courses are offered to meet all requirements for medicine, dentistry, engineering and graduate work.

Chemistry 111. (Formerly Chemistry 211.) General Chemistry. **Five hours.**

Purpose: The purpose of this course is to give the student the fundamental principles of Chemistry.

Topics: A brief history of the development of the science of chemistry; the chemical nature of matter; preparation and properties of oxygen, hydrogen, nitrogen, chlorine, carbon and sodium; the gas laws; the chemistry and purification of water; the theory of solutions; acids, bases, salts and neutralization; the theory of ionization and its applications; microcosmic chemistry; periodic law.

Chemistry 112. (Formerly Chemistry 212.) Inorganic Chemistry. **Five hours.**

Prerequisite: Chemistry 111.

Purpose: Continuation of Chemistry 111.

Topics: Sulfur and compounds; phosphorus and compounds; ceramics; law of mass action and equilibrium; colloids; metallurgy, radioactivity; periodic numbers and their significance.

Chemistry 213. Qualitative Analysis. **Four hours.**

Prerequisites: Chemistry 111 and 112.

Purpose: A continuation of Inorganic Chemistry with special reference to the separation and identification of the metals and non-metals and the theory of solutions.

Topics: Simple equilibrium; complex equilibrium; solubility product law; law of precipitation; law of solution; law of the common-ion; introduction to the use of the spectroscope and microscope in analysis; identification of minerals.

Chemistry 216. Quantitative Analysis. **Five hours.**

Prerequisite: Chemistry 213.

Purpose: To give fundamental experience in the technique of quantitative determination.

Topics: The principles and use of the analytical balances; calibration of weights; the laws of partition; principles of stoichiometry; quantitative determinations of ordinary metals and non-metals; gravimetric, volumetric, and electrolytic determinations.

Chemistry 220. Bio-organic Chemistry. Four hours.

Open only to majors in home economics.

Prerequisites: Chemistry 111 and 112.

Purpose: To give an elementary knowledge of organic chemistry.

Topic: A study of the applications of organic chemistry to food, nutrition and other problems in home economics.

Chemistry 310. (Formerly Chemistry 215.) Organic Chemistry. Five hours.

Prerequisites: Chemistry 111 and 112.

Purpose: To give a general survey of the principal compounds of aliphatic organic chemistry.

Topics: Methane series and derivatives; ethylene series and derivatives; acetylene series and derivatives; polycyclic compounds; glucids, lipids, protids, and related compounds.

Chemistry 312. Advanced Organic Chemistry. Four hours.

Prerequisite: Chemistry 310.

Purpose: To continue Chemistry 310; to give a general survey of the aromatic organic compounds, and to acquaint the student with some of the theories of modern organic chemistry.

Topics: Aromatic hydrocarbons, aldehydes, phenols, amines, diazonium compounds, dyes, drugs, etc.; theory of color, molecular rearrangements, tautomerism, etc.

Chemistry 313. Biochemistry. Five hours.

Prerequisite: Chemistry 310.

Purpose: To acquaint the student with the chemical reactions of digestion and metabolism.

Topics: Qualitative tests for digested substances in vivo and in vitro; chemical nature of muscle, blood and bone, enzyme action; urine analysis.

Chemistry 411. (Formerly Chemistry 311.) Advanced Quantitative Analysis. Three hours.

Prerequisite: Chemistry 216.

Purpose: To familiarize the student with the different methods and instruments used in quantitative analysis.

Topics: Analysis of ores; potentiometric determinations; the principle and use of the colorimeter; polariscope; gas analysis; combustion train.

Chemistry 415. Physical Chemistry. Five hours.

Prerequisite: Chemistry 216.

Purpose: To broaden the student's conception and understanding of physico-chemical laws.

Topics: Properties of gases, liquids and solids; properties of solutions; equilibrium; chemical kinetics; laws of thermodynamics; electro-chemistry; phase rule.

Chemistry 430. Problems in Chemistry. Four hours.

Prerequisite: Senior standing in Chemistry.

Purpose: To develop the student's initiative in laboratory work; to acquaint the student with the methods of research.

Topics: Research in physical, organic, analytical or bio-chemical problems.

GEOLOGY

Mr. Kennamer

Geology 201. (Formerly Geology 301.) Physical Geography and Geology. Three hours.

Purpose: This course is designed (a) to give the student a knowledge of the land forms, their origin and history, their changes, and their influence on man, (b) to teach the use of geologic and topographic maps, and (c) to teach the student to interpret present day environment.

Topics: Materials of the earth; weathering; work of wind; work of ground water; work of streams; work of glaciers; the ocean and its work; the structure of the earth; earthquakes; volcanoes and igneous intrusions; metamorphism; mountains and plateaus; ore deposits; soils, their classification and origin; major physiographic features, their origin and influence on man.

PHYSICS

Mr. Hummel

Physics 102. Household Physics. Three hours. Primarily for students majoring or minoring in Home Economics.

Purpose: To study the principles of physics and their applications in the home.

Topics: Forces and their effects; work, energy and power; elementary machines; heating, refrigeration, and air conditioning; principles of electricity, sound and light; applications in the home and community such as the telephone, radio, talking pictures, transportation, transmission of pictures, automatic controls.

Physics 201. Mechanics, Heat and Sound. Five hours.

Prerequisite: Mathematics 107.

Purpose: A general course treating mechanics and heat, and given not only for those students who intend to teach physics in

high school, but also for those students who expect to enter the fields of engineering or medicine.

Topics: Falling bodies; Newton's laws of motion and applications to practical problems; curvilinear motion; composition and resolution of forces; the laws of equilibrium and their application to various problems; work and energy; machines; momentum, elasticity; simple harmonic motion; hydrodynamics, heat and molecular physics including thermometry, pressure, expansion of solids, liquids, and gases, and modern radiation theory.

Physics 202. Electricity, Magnetism, Wave Motion and Sound, and Light. **Five hours.**

Prerequisite: Physics 201.

Purpose: This course is a continuation of Physics 201 and should be taken by the student who expects to teach physics or general science in high school, or to enter the engineering field.

Topics: Electrostatics, the nature of electricity, properties of a moving electric charge (chemical, heating, and magnetic effects), magnetism, Ohm's law, measurement of electrical quantities, sources of electrical energy, Lenz's law, inductance and capacity, alternating current, and electric waves and radio.

Physics 300. Modern Physics. **Five hours.**

Prerequisites: Physics 201, Physics 202, Mathematics 251 or registration in Mathematics 251.

Purpose: To acquaint the student with the general field of modern physics before he studies the special subjects in more detail.

Topics: Historical introduction, alternating current, electromagnetic theory of radiation, properties of moving charged bodies, the electron, kinetic theory of gases, thermionics, the photoelectric effect, x-rays and their applications, Bohr theory of spectra, periodic law and atomic structure, critical potentials, radio and television, radioactivity and isotopes, geophysics, astrophysics, relativity, specific heats, electrical resistance, high frequency sound waves, and recent development in physics.

Physics 302. Introduction to Physical Optics. **Three hours.**

Prerequisites: Physics 201 and 202.

Purpose: To study the nature of light and its related phenomena.

Topics: Wave motion, reflection and refraction, further study of lenses, the telescope, dispersion, facts concerning the spectrum, interference, diffraction, plane polarized light, the electromagnetic theory of light, the quantum theory and origin of spectra, the dilemma.

Physics 303. Heat. **Three hours.**

Prerequisites: Physics 201 and 202.

Purpose: To study the nature of heat more comprehensively than can be done in Physics 201.

Topics: Historical review of theories and discoveries; thermometry; specific heats; thermal expansion; transfer of heat; first law of thermodynamics; radiation; change of state; continuity of state; introduction to thermodynamics, production of low temperatures; production of high temperatures.

Physics 304. Advanced Electricity and Magnetism. **Three hours.**

Prerequisites: Physics 201, 202, and Mathematics 251.

Purpose: To study the theory of electricity and magnetism.

Topics: Magnetism, the electric current, electrostatics, electrolysis, thermo-electricity, electromagnetics, alternating currents, electromagnetic radiation, conduction in gases, electrons and atoms.

Physics 306. Sound. **Three hours.**

Prerequisites: Physics 201 and 202.

Purpose: To study sound and acoustics more intensely than can be done in Physics 201.

Topics: Theory of vibration; vibrating systems and sources of sound; transmission of sound; reception, transformation and measurement of sound energy; technical applications.

Physics 401. (Formerly Physics 301.) An Advanced Course in Mechanics. **Five hours.**

Prerequisites: Mathematics 252 or registration in Mathematics 252, and Physics 201 and 202.

Purpose: To give the student a firm grasp of the physical principles of theoretical mechanics.

Topics: Elemental concepts of mechanics; rectilinear motion of a particle; curvilinear motion; particle dynamics from the point of view of energy; statics of a particle; statics of a rigid body; dynamics of a rigid body; constrained motion; oscillations; motion of aggregates of particles; deformable bodies and wave motion; mechanics of fluids.

DIVISION OF EDUCATION

Mr. Jones	Mr. Ferrell	Mr. Mattox
Mrs. Case	Miss Hansen	Mr. O'Donnell
Mr. Cuff	Mr. Kinzer	Miss Schnieb
Mr. Edwards	Miss Lee	Mrs. Tyng

TRAINING SCHOOL STAFF

Miss Alvis	Mr. Lassiter	Miss Rush
Mr. Coates	Miss Lingenfelser	Mr. Samuels
Miss Evans	Miss Neale	Miss Story
Mr. Glover	Miss Pugh	Mr. Walker
Mr. Grise	Miss Regenstein	Miss Wilson
Mr. Houtchens	Mr. Rigby	Miss Wingo

Education 203. Principles of Teaching. Three hours.

Prerequisite: Education 111.

Purpose: (a) To develop an understanding of the principles basic to effective teaching, (b) to acquaint the student with the fundamental problems of teaching and to apply the teaching principles to the possible solutions of those problems.

Topics: Meaning of education; meaning and function of the school; meaning and evidences of learning; purposeful activities; selection and organization of subject matter; various types of class procedure; making assignments; standards for judging teaching.

Education 210. Educational Psychology. Three hours.

Purpose: (a) To introduce the future teacher to the fundamental principles of educational psychology, (b) to teach the student to apply the psychology of learning to classroom activities, and (c) to provide some acquaintance with the field of measurement.

Topics: The field of educational psychology, heredity and environment, growth and development, incentives and motives, feelings, attitudes and emotions, mental hygiene, intelligence and its measurement, individual differences and the school, the learning process, economy and efficiency in learning, factors influencing learning, transfer of training, reasoning, imagining, and problem solving, the measurement of learning, socialization and guidance.

Education 262. Fundamentals in Elementary Education. Four hours.

Purpose: The purpose of this course is to (a) provide a graduated approach to student teaching in the elementary grades, (b) organize units of work, both group and individual, (c) introduce methods of teaching in the elementary grades, (d) learn to make

lesson plans, (e) give practice in organizing materials of instruction, (f) evaluate theories of teaching in the light of classroom procedure, by direct observation in the training school, by assigned readings, and by classroom instruction, (g) acquaint the student with the common school problems and activities which arise in the experience of teachers, such as daily program, school sanitation, economy of time, discipline, class and individual instruction, and (h) to help the student sense the relation of the school to the community and cultivate a constructive and harmonious contact between the two.

Topics: Standards for observing class work; lesson planning; daily program; teaching pre-primer reading, reading in the elementary grades, oral and written expression, spelling, number work, social studies, nature study, health and seat work; measuring progress of instruction; the meaning and the function of the school; school organization and equipment; class organization; function of the course of study, curricular activities, classroom routine and equipment; school sanitation; economy of time; discipline and community cooperation.

Education 265. Supervised Student Teaching. Three hours.

Prerequisite: Education 262.

Purpose: It is the purpose of this course (1) to develop by practice the skills, techniques and controls essential to successful classroom procedure in the elementary school and (2) to acquaint the student teacher with modern devices and materials of elementary education.

Topics: Observation of the activities of the classroom and materials of instruction. Under the training teachers' supervision activities are planned, and help is given in the performance of routine. Actual class teaching begins with a small group of children, but near the end of the term the student teacher is expected to take charge of the entire room. All student teachers meet the training teacher under whom they work for a one-hour conference period daily.

Education 267. Directed Observation and Participation in the Elementary School. Eight hours.

This course is not open to students who have had **Fundamentals of Elementary Education**. Approval of the Dean of the college is required for enrollment.

Purpose: This is a laboratory course, the primary purpose of which is to acquaint the student with the fundamentals of elementary education and with the educational program and practices of the elementary school. This course is a substitute for fundamentals of elementary education and student teaching for the provisional elementary certificate and is a prerequisite for student teaching at the senior college level.

Topics: This course includes a great deal of observation and participation and deals with the problems of lesson planning, daily program, school organization and equipment, class organization, the course of study, curricular activities, teaching techniques, school sanitation, discipline, playground supervision, and community cooperation.

Education 301. (Formerly Education 201.) The Junior High School. **Two hours.**

Purpose: To familiarize prospective high school principals and teachers with the aims, purposes, and objectives of the junior high school.

Topics: Origin, development, and present status of the junior high school movement; the place of the junior high school in the public school system; the aims, purposes, and objectives of the junior high school; evaluation of types of programs; the junior high school plant; library, apparatus, and equipment of the junior high school.

Education 302. Pupil Accounting. **Three hours.**

Purpose: (a) To give specific preparation for the work of attendance officer, (b) to give prospective superintendents and teachers a better understanding of the problem of attendance and its effect on the efficiency of the school.

Topics: Relation of attendance to pupil progress; social and economic factors which affect attendance; school census; personnel records. In developing these topics a study will be made of personnel work in typical schools of Kentucky.

Education 313. (Formerly Education 114 and 213.) Child Psychology. **Three hours.**

Purpose: (a) To acquaint the student with the most important facts and principles relative to childhood, (b) to describe the behavior and activities which may be expected of a child in any stage of development, (c) to teach the student how to observe and to interpret the behavior of children, and (d) to cultivate a sympathetic and understanding attitude toward child life.

Topics: Introduction, biological foundations, early childhood, motivation, emotion, language, manipulation, play, physical development, mental life, learning, intelligence, character and personality, adolescence, individual differences, and guidance of children.

Education 314. (Formerly Education 214.) Psychology of Adolescence. **Three hours.**

Purpose: (a) To acquaint students with the most important facts and principles relative to adolescence, (b) to describe adolescent nature, growth, and development so as to facilitate both reliable prediction and suitable guidance of behavior during the

teens, (c) to teach students how to solve problems of adolescent behavior, and (d) to cultivate a sympathetic and an understanding attitude toward adolescence.

Topics: Introduction, physical development, mental development, growth of intelligence, adolescent instincts and interests, emotional life, learning and forgetting, moral and religious development, adolescent personality, disturbances of personality, hygiene of adolescence, prediction of adolescent behavior, and guidance of adolescent behavior.

Education 354. (Formerly Education 164 and 254.) Reading in the Elementary School. **Three hours.**

Purpose: To familiarize the elementary school teacher with the best modern principles, methods, and devices; to enable him to see these theories carried out in actual practice; to acquaint him with the best literature of the teaching of reading, together with the best basal and supplementary texts available for this purpose.

Topics: Objectives of reading in the elementary school; reading in the primary and intermediate grades; the place of oral reading in the grades; individual differences; word difficulties; phonics; measuring reading instruction; motivation; materials of instruction.

Education 355. Reading in the Junior and Senior High School. **Three hours.**

Purpose: To acquaint the student with methods, devices, and procedures in teaching remedial reading; to outline a developmental program of reading for normal and superior pupils; to provide laboratory demonstrations and practice in diagnostic and remedial procedures; to study various patterns of writing with appropriate reading techniques; to help students study objectively the maturity of their own reading performance.

Topics: Among the topics considered in this laboratory course are study procedures; evaluation of standardized tests in reading; analysis and correction of common difficulties at the secondary level; guidance of reading activities in the content fields; materials of instruction; reading interests and tastes; instruments for diagnosing and remedying reading difficulties.

Education 364. Fundamentals of Secondary Education. **Four hours.**

This course is a prerequisite to student teaching and is intended to prepare students to participate in actual classroom teaching by enabling them to become thoughtful and alert students of secondary education.

Purpose: To prepare students for a graduated approach to supervised student teaching on the secondary school level; and to help students to develop a pedagogical method of thinking in secondary education.

Topics: Problems of the secondary school; the professional responsibilities of teachers to pupils, co-workers, and the com-

munity; the setting up of aims and the evaluation of teaching; practice in the selection and organization of subject matter and available materials of instruction; remedial procedures, measuring pupil progress, and methods of adjustment to needs of individual pupils; directed observation in the secondary school.

Education 421a. Tests and Measurements for the Elementary School. **Two hours.**

Purpose: To determine the need for tests and measurements in the elementary school; to evaluate the ordinary examination and find ways to improve it; to acquaint the student with the outstanding standardized tests now in use in the elementary school; to determine the advantages and disadvantages of standardized examinations; to develop some degree of skill in the construction and administration of tests; to familiarize the student with the elementary statistical procedures necessary for an adequate understanding of the results of a testing program in the elementary school.

Topics: Historical survey of the development of mental and educational tests in the elementary school; the nature and classification of standardized tests; the construction of tests; the importance of accuracy of measurement; reliability; validity; the place of standardized measurements in the elementary testing program; standards for the selection of tests; interpretation of test data; the use of test results for comparison, classification, promotion, guidance, diagnosis, and for measuring the efficiency of instruction.

Education 421b. Tests and Measurements for the Secondary School. **Two hours.**

Purpose: To determine the need for accuracy in measurement in the secondary school; to evaluate the traditional type of examination and find ways to improve it; to acquaint the student with the most important standardized tests for the secondary school; to study the advantages and disadvantages of standardized measures; to develop some degree of skill in the construction and use of tests; to familiarize the student with elementary statistical procedures; to show the social, educational, and vocational significance of tests in the secondary school.

Topics: Elementary statistical procedures; historical survey of the development of mental and educational tests in the secondary school; the nature and classification of tests; the construction and use of tests; reliability; validity; the importance of standardized measures; methods of improving the traditional type of examination; standards for the selection of tests; the use of test results for comparison, classification, promotion, guidance, prognosis, diagnosis; measuring the efficiency of teaching in the secondary school, and the like.

Education 441. (Formerly Education 341.) The Elementary School Curriculum. **Three hours.**

Purpose: (a) To acquaint the student with the literature on curriculum construction, and (b) to develop fundamental principles which underlie the construction and interpretation of the curriculum and to apply these principles to the organization of specific units of subject matter.

Topics: Objectives of education, function of the school, function of the curriculum, the curriculum as related to the objectives of education, criteria for evaluating curricula, and need and procedure for curriculum construction and revision.

Education 442. Organization and Administration of Elementary Education. **Three hours.**

Purpose: To present the important phases of the organization and administration of the elementary school.

Topics: Aims and objectives of the elementary school, types of elementary school organization, time allotments, attendance, library service, classification and promotion of pupils, health, publicity, special classes, plant, office management, organization for supervision, the principal and his opportunity for leadership.

Education 453. Public School Administration. **Three hours.**

Purpose: (a) To acquaint the student with some of the fundamental problems connected with the administration of the public schools, (b) to present the philosophy of public school administration, and (c) to familiarize the student with the duties and responsibilities of school administrators.

Topics: The need for school administration, the place of school administration in the public school system, the school board, administrative officials of school systems, business management of schools, the school plant, public relations, the curriculum, schedule making, selection of teachers, personnel problems, pupil accounting, the testing program, the health program, the school library, and other problems related to the administration of public schools.

Education 454. Public School Supervision. **Three hours.**

Purpose: (a) To show the need for the supervision of instruction in the public schools, (b) to plan a desirable program of supervision, (c) to evaluate the various agencies of supervision, and (d) to determine the duties and responsibilities of the supervisor.

Topics: The purpose and importance of the program of supervision, organization of the school for supervisory purposes, the relation of the school to the community, the improvement of teaching, the relation between the supervisor and the teacher, classroom visitation, conferences with teachers, in-service preparation of teachers, the agencies of supervision, professional reading, professional organizations and other problems related to supervision of teaching in the public school.

Education 463. Supervised Student Teaching. **Eight hours.**

Offered during the senior year with all day teaching for one-half semester.

Purpose: To develop the art of teaching.

Topics: Observation, participation, and responsible room teaching; child study with special case study problems and remedial work; development of skills and techniques desirable for good school procedure; the location, collection, and organization of materials of instruction; study of community occupations, resources, social and economic problems; experience in meeting parents, visiting homes, participation in social programs of school and community; experience in directing various kinds of activities including routine school duties, field trips, and extra-curricular program; acquaintance with the school organization, school policies, system of records and the like; learning how to maintain desirable pupil-teacher relationship.

Education 464. Principles of Secondary Education. **Three hours.**

Purpose: (a) To acquaint the student with the development of our present system of secondary education and its implications, (b) to present a desirable philosophy of secondary education, (c) to present some of the outstanding problems in the secondary school, (d) to analyze the present curricula with hope of improving the same.

Topics: Growth and background of American secondary school, variability and selection of the pupil, aims and functions of secondary education, relation to elementary and higher education, forms of organization, comparison between European and American schools, the rural high school, vocational education, trends and methods of curriculum construction, the secondary school offerings, extra-curricular activities, guidance and community relationship, the staff, plant and library, cost, a vision of secondary education.

GRADUATE COURSES

Education 501. School Administration. **Two hours.**

Purpose: The purpose of this course is to give students technical preparation for the school superintendency.

Topics: The state as a fundamental school unit; local units for school control; federal relations to education; duties and powers of the school board; duties and powers of the superintendent; the administration of teacher personnel.

Education 502. School Administration. **Two hours.**

Purpose: This course is planned to give students technical preparation for the school superintendency.

Topics: The school census; attendance; pupil accounting; records and reports; business administration; preparation and

administration of the budget; cost accounting; fiscal control; indebtedness; short term borrowing; bonds; general school law; public relations; and school publicity.

Education 503. School Administration. Two hours.

Purpose: This course is designed to give students technical preparation for the school superintendency.

Topics: Selection of school sites; building plans and designs; school building management; maintenance and operation of school plants; the purchase and use of school supplies; organization of school libraries; and auxiliary agencies.

Education 510. The Improvement of Instruction in the Elementary School. Two hours.

Purpose: This course deals with the techniques and methods for improving instruction in the elementary school.

Topics: Current problems of instruction; recent trends in instruction; methods for improving instruction in the social studies, practical arts, health education, and other subjects included in the elementary school.

Education 511. Elementary School Supervision. Two hours.

Purpose: This course is designed to give a general survey of the supervision of instruction.

Topics: Problems of supervision; current practices in supervision; and problems of organizing instruction to meet the increasing responsibilities of the school. Emphasis will be placed upon the discussion and development of the concrete educational problems of the members of the group.

Education 512. Curriculum Problems of the Elementary School. Two hours.

Purpose: This course is a survey of the curriculum problems of the elementary school.

Topics: Curriculum programs; principles of curriculum construction; curriculum materials; and principles and methods of evaluating the effectiveness of the elementary school curriculum.

Education 515. Advanced Educational Psychology. Two hours.

Purpose: (a) To enable the student to study intensively and extensively the major topics of educational psychology as developed in outstanding research studies and textbooks; (b) to improve the student's ability to teach by increased knowledge of how learning occurs; (c) to discuss conditions for effective school work; and (d) to apply the principles of psychology in other school relationships.

Topics: Motivation and adjustment; intelligence and its measurement; psychology of learning; measures of achievement and of personality; and psychology in other school relationships.

Education 521. Visual Aids in Education. Two hours.

Purpose: This course is designed to give the student an understanding of the importance and use of visual aids in education.

Topics: The need for visual aids in education; the philosophy and content of visual education; objects; models; exhibits, museum materials; motion pictures; instructional films; and graphic materials.

Education 522. Mental Hygiene. Two hours.

Purpose: To acquaint students with the psychology of adjustment and of mental health.

Topics: Development of mental hygiene; origins of behavior; varieties of maladjustments; techniques of mental hygiene; and applications of positive mental hygiene.

Education 531. History of Education. Two hours.

Purpose: (a) To enable the student to understand and appreciate the place education holds in the development of modern civilization; (b) to analyze and interpret modern educational theories and practice in the light of our educational heritage; (c) to familiarize the student with the rise and development of public education in the United States.

Topics: Brief survey of the history of education in ancient and medieval times with special reference to the contribution of Greece and Rome and Christianity to modern education; educational influences of the Renaissance and the Protestant Reformation; the role of the doctrine of formal discipline; education influences of Comenius, Rousseau, Pestalozzi, Froebel, and Herbart.

Education 532. History of Education in the United States. Two hours.

Purpose: This course is a survey of the development and growth of public education in the United States.

Topics: Rise and development of public education in the United States with emphasis upon the work of Horace Mann, Henry Barnard, and James G. Carter; sociological, psychological, and scientific movements in education; desirable educational reorganizations; brief study of the history and development of public education in Kentucky.

Education 536. Philosophy of Education. Two hours.

Purpose: (a) To lead the student to recognize that education is the process by which one's attitudes toward society are formed; (b) to assist the student in discovering the relation between education and the character of government under which he lives; (c) to help him to understand the meaning of education in his effort to achieve the abundant life.

Topics: The meaning of education; educational values; education and democracy; the development of ideals; education as a necessity of life; education as growth; interest and discipline; thinking in education; the nature of the subject matter; education and philosophy.

Education 542. Applied Statistical Methods. Two hours.

Purpose: This course is designed to give the student a thorough understanding of the use of statistical methods in education.

Topics: The need for statistical methods; frequency distributions; class intervals; measures of central tendency; measures of variability; comparison of groups; graphic methods; measures of relative position; the normal probability curve; reliability of measures of central tendency and variability; calculating machines; simple correlation; and interpretation of statistical data.

Education 543. Problems in Rural Education. Two hours.

Purpose: To familiarize the student with the important problems in the field of rural education.

Topics: Among the subjects considered are the problems of attendance; supervision of instruction; techniques of teaching; libraries; transportation of pupils; parent-teacher organizations; lunchrooms; playground activities; and the like.

Education 558. Public School Finance. Two hours.

Purpose: To acquaint the student with the problems of financing the public schools of the land. Some attention is paid to general tax theory, but most of the time is spent on practical financial problems of the local school districts, and the financial relationship between the local district and the state.

Topics: Among the topics studied the following may be mentioned: The growth of the cost of education; comparative costs in education; the school budget; financial records and accounts; school indebtedness; control of school finances; financial aspects of school publicity; educational inequalities; the units of school support; and apportioning the benefits and the sources of public school revenue.

Education 561. High School Administration. Two hours.

Purpose: To present the fundamental principles of high school organization and administration.

Topics: Secondary school organization; the principal; the staff; the pupils; program of studies; schedules; community relationships; records and reports; articulation; library; plant; finance; and other important topics pertaining to the high school.

Education 562. Curriculum Problems of the Secondary School. Two hours.

Purpose: This course is designed to aid teachers, principals, supervisors, and superintendents in adjusting the general curriculum and courses of study to the needs of the secondary school.

Topics: Aims of the public secondary school; local materials of educational value; use of textbooks; plans for evaluating curriculum procedures; and methods of making the high school a more effective agency.

Education 563. The Improvement of Instruction in the Secondary School. Two hours.

Purpose: This course is designed to help teachers, supervisors, principals, and superintendents improve the quality of instruction in the high school.

Topics: Qualities of good teaching; techniques of improving instruction; procedures for evaluating classroom teaching; the place of extra-curricular activities in the school program; and responsibilities of the school with respect to the community.

Education 565. Guidance and Pupil Adjustment. **Two hours.**

Purpose: The aim of this course is to acquaint the student with fundamental principles and methods of guidance and pupil adjustment.

Topics: Nature and goals of guidance; organization of guidance or adjustment programs; functions of administrators, supervisors, guidance specialists, and classroom teachers in the guidance program.

Education 570. Seminar. **One or two hours.**

Education 571. Seminar. **One or two hours.**

Education 572. Seminar. **One or two hours.**

PHILOSOPHY

Mr. Kinzer

Philosophy 301. History of Philosophy. **Three hours.**

Purpose: To present the development of philosophic thought from the ancient Greeks to the Thirteenth Century.

Topics: A careful study of the ideas of the Pre-Socratics, Plato, Aristotle, Stoics, Epicureans, Neo-Platonism, the Patristic period, and Scholasticism.

Philosophy 302. History of Philosophy. **Three hours.**

Purpose: To present the problems of philosophy and the development of ideas from Descartes to the present.

Topics: A careful study of the ideas of individual philosophers and their positions with respect to the traditional schools, e.g., idealism, realism and pragmatism. Emphasis will be placed upon Bacon, Locke, Spinoza, Hume, Kant, Hegel, James and Dewey.

PSYCHOLOGY

Psychology 211. General Psychology. **Three hours.**

Purpose: (a) To present the problems, methods, and facts of psychology as a science; (b) to show applications of psychology; (c) to teach students to apply psychological principles to situations in which they may be helpful.

Topics: The problems, methods, and subject matter of psychology; the physiological basis of reactions; native and acquired urges; the nature of instincts and emotions; adjustments; laws of learning, economy in learning; general intelligence and special aptitudes; personality; individuality; applications of psychology.

DIVISION OF HEALTH AND PHYSICAL EDUCATION

Dr. Farris
Mr. Carter
Miss Cherry

Mr. Hembree
Miss Hood
Mr. Hughes
Mr. McDonough

Mr. Rankin
Mr. Samuels
Miss White

HEALTH

Dr. Farris
Mr. Carter

Mr. Hembree
Miss Hood
Mr. Hughes

Mr. McDonough
Miss White

Health 100. Personal Hygiene. **Two hours.** Women, first semester; men, second semester.

Purpose: This course is designed to teach the student the value of correct living habits.

Topics: Structure and care of the human body; desirable health practices; value of health examinations; the place of health in modern civilization; unscientific and irrational health proposals; disease prevention by immunization; disease control by isolation and quarantine, etc.

Health 201. (Formerly Health 101.) Public Hygiene and Safety. **Three hours.**

Purpose: To study the fundamental principles of public hygiene and disease prevention and applications of these principles in solving problems of home, school and community sanitation and public health.

Topics: Micro-organisms in relation to sanitation, personal and public hygiene, food protection and preservation, the protection of the water and milk supply, immunization and control of communicable diseases, home and school sanitation; social and economic aspects of health problems, health administration, function and authority of health officers, etc.

Health 202. First Aid to the Injured. **One hour.** Fee, 50c.

Purpose: To prepare the prospective teacher by demonstration and practice to treat the emergencies which present themselves in the schoolroom, on the playground, and on the athletic field.

Topics: Bandaging, transportation of injured, artificial respiration, splinting, treatment of shock, injuries in home, wounds, and accident prevention.

Health 231. Home Nursing. (Formerly Home Economics 231.) **Two hours.**

Prerequisite: Health 100 or 201.

Purpose: To enable girls to administer first aid and to teach the home care of the sick.

Topics: Duties of a home nurse; preparation and care of the room for a patient; study of pulse, respiration, etc.; bathing patients in bed; making of beds; simple home-made appliances for the comfort of a patient; special treatment for particular and peculiar illnesses; serving of meals to patients; first aid treatments.

Health 303. Applied Bacteriology. Five hours.

Purpose: This is an introductory course in Bacteriology in which the student is taught the relationship between bacteria and human welfare.

Topics: Stains and staining technique, sterilization, preparation of culture media, isolation and identification of bacteria, efficiency of disinfectants and control of communicable diseases, and determination of the sanitary quality of milk and water. Some pathogens will be introduced for purposes of laboratory study, etc.

Health 362. Individual Gymnastics. Two hours. Fee, 50c.

Purpose: Adaptation of exercises to the individual needs of the student.

Topics: Diagnosis and prescription of exercise for deformities of the human body; examination records and equipment; corrective exercises for individuals and groups.

Health 365. Materials and Methods for Teaching Health Education. Two hours.

Purpose: A presentation of the general principles which should govern the selection and organization of health materials. Methods for the teaching of health are discussed and observed.

Topics: General objectives of the health program, health set-ups and practices, and materials suitable for primary and intermediate grades.

Health 404. Microbiology of Foods. Five hours.

Prerequisite: Health 303.

Purpose: To study control measures for micro-organisms responsible in food spoilage and food poisoning.

Topics: Fermentation, food poisoning, food preservation, canning, pickling, and use of chemicals in food preservation.

PHYSICAL EDUCATION

Mr. McDonough
Miss Cherry

Mr. Hembree
Miss Hood
Mr. Hughes

Mr. Rankin
Mr. Samuels

Physical Education 110. Fundamental Physical Education Activities. One-half hour. Fee, 50c.

Purpose: To teach skills and to develop in the individual and group a desirable attitude toward play in relation to the proper use of time.

- Section A. Fundamental Rhythms
- Section B. Combative Activities
- Section C. Swimming
- Section D. Recreational Games
- Section E. Advanced Rhythms
- Section F. Advanced Swimming
- Section G. Individual and Team Games

Physical Education 125. (Formerly Physical Education 463.)
Introduction to Physical Education. Two hours.

Purpose: This course seeks to establish the place of physical education in general education and American life. It also takes into consideration comparative physical education.

Topics: History, principles, scope, trends, methods of study, place in the field of general education; off activities from a professional stand point; also to assist the student in understanding the field in which he is to work.

Physical Education 220. Plays and Games for Elementary Grades. **Two hours.**

Purpose: The purpose of this course is to acquaint the prospective elementary teacher with plays and games suitable for the elementary grades.

Topics: This course deals with the physical education program of the elementary school. Among the subjects considered are the objectives of the physical education program, recreational activities, suitable plays and games, and other subjects related to the program of physical education.

Physical Education 225. Games and Sports for the Secondary School. **Two hours.**

Purpose: This course is designed to acquaint the secondary school teacher with activities suitable for junior and senior high school boys and girls.

Topics: Place of physical education program in the secondary school; aim and objectives; individual and team sports; play ground and gymnasium procedures.

Physical Education 245a and 245b. Modern Dance. **Two hours.**

Purpose: To learn the principles of body movement and control for modern dance; analyze its choreography, and to perform simple group compositions.

Topics: Fundamental and basic rhythms, techniques, execution of choreographic principles, and performance of modern compositions.

Physical Education 250. Scouting and Clubcraft. **Two hours.** (Men.) Fee, 50c.

Purpose: This course is intended for those interested in becoming scoutmasters. Club work is also taken into consideration.

Topics: Study of specific community and recreational programs; history and principles of scouting. Practical scoutcraft and clubcraft are emphasized; scoutmaster's certificate is awarded to each student completing the course.

Physical Education 251. Clubcraft. **Two hours.** (Women.) Fee, 50c.

Purpose: This course is offered so as to acquaint the teacher with a background of the theory and practice of club work and recreation in general.

Topics: Girl scouts, girl reserves, camping, fire and woodcraft organizations.

Physical Education 260. Coaching Football and Basketball. **Two hours.** (Men.) (Football, first nine weeks; basketball, second nine weeks.)

Purpose: A course offered to give players and prospective coaches a practical and theoretical background.

Topics and Activities: General principles, systems, rules, and officiating equipment and schedules.

Physical Education 265. Coaching Spring Sports. **Two hours.** (Men.) (Track and field, first nine weeks; baseball, second nine weeks.)

Purpose: A course designed to give players and prospective coaches a practical and theoretical background.

Topics and Activities: General principles, coaching hints, training methods, organization of field days, equipment, and schedules.

Physical Education 300. Folk and National Dancing. **One hour.** Fee, 50c.

Purpose: To acquaint the student with representative folk and national dances.

Topics: American and English country dances, Morris and sword dances, and other national dances.

Physical Education 320. Kinesiology. **Two hours.**

Purpose: This course is designed to teach the student the fundamentals of body mechanics.

Topics: Analysis of balance and movements of human body; application of physical laws and principles governing the mechanics of movement; actions of joints and muscles is studied in natural movements and organized activities.

Physical Education 325. Physiology of Activity. **Two hours.**

Purpose: A course for the study of the effects of physical education activities on the various systems of the human body.

Topics: Growth and development; effects of bodily exercise on bodily functions; circulation and its adaptation to physical exertion; bodily temperature control; training; second wind, fatigue, and recovery in man.

Physical Education 366. (Formerly Physical Education 266.) Materials and Methods for Teaching Physical Education. **Two hours.**

Purpose: A course designed for the classroom teacher and for playground leaders.

Topics: Theories of play, study of existing play programs, correlation with other subjects, achievement standards and tests, games, skills, lesson planning and observation, and a review of materials and activities suitable for the primary and intermediate grades.

Physical Education 367. (Formerly Physical Education 267.) Physical Training Activities. **Two hours.** Fee, 50c.

Purpose: It is designed for those contemplating leadership in physical education.

Topics: Tactics, dancing, free exercise, hand apparatus, mimetics and games, and stunts.

Physical Education 368. (Formerly Physical Education 268.) Advanced Physical Training Activities. **Two hours.** Fee, 50c.

Prerequisite: Physical Education 367.

Purpose: Continuation of Physical Education 367.

Topics: Advanced tactics, drills for demonstration, natural exercises, pyramid building, games, opportunity for leadership and observation.

Physical Education 401. Community Recreation. **Two hours.**

Purpose: The study of what the schools and communities are doing and can do in meeting the leisure time needs of today and tomorrow.

Topics: The problem of leisure; vacation time for children; adult recreation; content of school programs for leisure education; physical education, dramatics, reading, music, art and handicrafts, nature study, and extra-curricular activities.

Physical Education 402. Recreation Leadership. **Two hours.**

Purpose: The study of what the schools and communities are doing and can do in meeting the leisure time needs of today and tomorrow.

Topics: Practice and observation of existing recreational facilities: playground, swimming pool, social centers, C.C.C. and N.Y.A. programs; introduction and contact with specialists in various recreational fields; governmental and semi-private agencies promoting recreation.

Physical Education 468. (Formerly Physical Education 368.) Administration and Organization of Physical Education. **Two hours.**

Prerequisites: Physical Education 366, 367, 368.

Purpose: This course is designed for minors and majors in health and physical education, and deals with mediums through which activity may be organized in junior and senior high schools.

Topics: Intramurals, sport days, festivals, and community play days; incentives; point systems; grading, awards, standards, etc.; tests and measurements; care of gymnasium and equipment; activities suitable for junior and senior high school pupils.

DIVISION OF LANGUAGES

Mr. Clark
Mrs. Barnhill
Mr. Grise

Miss Buchanan
Mr. Keene
Mr. Houchell

Mr. Hager
Mrs. Murbach
Miss Rush

ENGLISH

Mr. Clark
Mrs. Barnhill

Miss Buchanan
Mr. Grise
Mr. Hager

Mr. Houchell
Mr. Keene

English 101. Oral and Written Composition. Three hours.

Purpose: To insure the learning and habitual practice of mechanical correctness of language in all ordinary speech and writing situations, and to develop student ability of self-criticism in matters of such correctness.

Topics: Recognition drills on parts of speech, inflected forms, phrases, clauses, the whole sentence; construction and syntax of chief inflected forms; sentence analysis; sentence construction; sentence variety; subordination; punctuation; dictionary study of accent and diacritical marks; spelling drills in most commonly misspelled words; paragraph writing; laboratory theme writing exercises; additional drills on all common types of mechanical language errors; brief narrative and expository talks on subjects within personal observation and experiences.

English 102. Oral and Written Composition. Three hours.

Prerequisite: English 101.

Purpose: To help the student in the matter of clear thinking and effective use of language.

Topics: The evaluation of what we see and hear; accuracy of observation and statement; the clarifying of our thoughts and impressions; the selection and use of materials; the planning and construction of many oral and written themes.

English 163. Fundamentals of Speech. Three hours.

Prerequisite: English 101.

Purpose: To enable teachers to acquire for themselves attractive voices and pleasing speech habits for reading and speaking, and to equip them for developing these qualities in their pupils.

Topics: Corrective drill work for posture and movement; the applied science of voice production; characteristics of a pleasing voice; individual diagnosis of voice qualities; tone-placing; enunciation; pronunciation; pitch, stress, and volume. The course affords much practice in individual speaking and reading under careful, constructive criticism.

English 201. Journalism. Two hours.

Prerequisites: English 101 and 102.

Purpose: To teach the student how to read and judge a newspaper; to familiarize him with the best current newspapers, their policies, and their methods; to give instruction in the kinds and methods of journalistic writing and practice in writing; to show him how to make up a paper, write headlines, and prepare manuscript; to give some training in managing and advising school publications; to edit a paper.

Topics: Comparison of many newspapers as to amount and kind of news, make-up, size, type, headlines, advertising, tone, etc.; kinds and methods of journalistic writing and practice in each; headlines; make-up; copy; proofreading; organization of staff.

English 210. Books. Two hours.

Prerequisites: Freshman English.

Purpose: To provide opportunity for students to participate in a credit-giving course in "free" or "recreational" reading under conditions as stimulating and helpful as the group and the instructor together can make them.

Topics: Some standards for evaluating books; some attention to reading lists; preparation of a special list for the class; some consideration of how to read a book; how to make a written criticism of a book; free handling of many books from the list compiled for the course; the reading of a number of books of the student's own choice; thoughtful criticism of a number of these books; oral reports and informal class discussions; personal conferences; no tests or examination.

English 216. (Formerly English 316.) The Short Story. Two hours.

Prerequisites: Freshman English and one course in literature.

Purpose: To compare many types of stories and methods of construction, to present the development of the short story, to acquaint the student with the best stories of the world and the best writers of stories, to set up some criteria for judging a short story.

Topics: The technique of the short story, the development of the short story as a literary type, romanticism and realism in stories, the short story in America, short stories for the high school, the writing of a story or of a paper.

English 218. Survey of Literature I. Three hours.

Prerequisites: English 101 and 102.

Purpose: To bring within student experience the content of selected world literature from ancient times to the end of the Renaissance, considered against the background of the life, tradition and history of the various peoples and periods presented; to trace the development of the chief types of literature; to give some guidance in literary appreciation and in the selecting of suitable material from this field for the upper grades and high school.

Topics: Oriental literature, Hebrew religious literature, the popular epic and the literary epic, classical drama, Teutonic myth and saga, medieval legend and romance, rise of religious drama, Italy and the Renaissance, rise of lyrical poetry, history and biography, philosophical writings, Renaissance drama in England; satiric narrative prose.

English 219. Survey of Literature II. Three hours.

Prerequisites: English 101, 102, and 218.

Purpose: To continue the method of study as outlined in English 218, to apply this method to the major movements and trends in the literature of Western Europe and America in the eighteenth and nineteenth centuries.

Topics: The New Classicism; the Romantic Movement in France, Germany, England, and America; the great Victorians; the rise of realism in France and Russia; its extension in England and America; Ibsen and the modern drama.

English 231. Public Speaking. Three hours.

Prerequisites: English 101 and 102.

Purpose: To train students for effective participation in the normal speaking situations.

Topics: Physiological basis of voice and corrective voice drills; source and organization of speech materials; objectives and audience considerations; practice in preparation and delivery of speeches for various occasions, purposes and audiences; speech criticism; parliamentary procedure with participation drills.

English 260. Literature for Children. Three hours.

Prerequisites: English 101 and 102.

Purpose: The purpose of this course is to give the prospective elementary teacher an opportunity to make a systematic study of children's literature and to know and appreciate the best in this particular field.

Topics: The course includes a brief survey of the history of children's literature and a study of the literature itself under the following topics: Mother Goose, Fairy Tales, Folklore and Fables, Realistic and Fanciful stories, myths, epics and sagas, the romance cycles, poetry, fiction, biography, historical and geographical literature. Methods of teaching literature in the elementary grades are incidentally touched upon.

English 264. Story Telling. Two hours.

Prerequisite: English 260.

Purpose: To acquaint the teacher with the materials for story telling, and with the techniques to be used in different grades and with different audiences.

Topics: History of story telling; purpose and aim of story telling; the story interests of childhood; preparing the story; telling the story; condensing and expanding the story; dramatizing the story;

uses of the story in schoolroom subjects; technique suitable to various ages and types of children; technique required for adults. A considerable stock of stories of a wide range of appeal is mastered. Much practice is given the actual telling of stories to children. Constructive analysis of each student's performance is afforded.

English 265. (Formerly English 165.) Grammar for Teachers. **Two hours.**

Prerequisites: English 101 and 102.

Purpose: To review the principles of English grammar and acquaint the teacher with some of the problems connected with the teaching of grammar.

Topics: In the course are studied the parts of speech, syntax and sentence analysis. The history of the teaching of grammar, and methods of testing and measuring progress are also touched upon.

English 301. Advanced Composition. **Three hours.** Required of juniors and seniors who have less than six hours of freshman English.

Purpose: To give the teacher practice in collecting, organizing, and presenting material in an effective written form; to encourage creative writing.

Topics: Practice is given in writing reports, recommendations, research papers, familiar essays, short stories, feature articles, or other forms of journalistic writing. Students are urged to write with a view to submitting their articles to suitable periodicals for publication. Some attention is given to the materials for high school composition.

English 305. (Formerly English 205.) Argumentation. **Three hours.**

Prerequisites: English 101 and 102.

Purpose: To teach how to recognize, build, and present sound argument; to show the relation of persuasion to argument.

Topics: This course takes up analysis, evidence and proof, kinds of argument; fallacies, brief-drawing, platform technique, reports on lectures, political speeches, etc.; and the writing of a forensic.

English 311. Shakespeare. **Three hours.**

Prerequisites: Freshman English and two courses in literature.

Purpose: To give the student a knowledge of the technique and content of Shakespeare's dramas, and a knowledge of Shakespeare's English and of his contemporaries, to consider certain of his dramas with reference to their place in high school English.

Topics: The course includes an extensive reading of Shakespeare's dramas and an intensive study of the technique, sources, and content of a few; a discussion of the Elizabethan theatre, the

Elizabethan people, Elizabethan dramatics, movements, and events which influenced Elizabethan thought; the development of drama to the death of Shakespeare; elements of appeal to high school pupils.

English 312. (Formerly English 412.) Modern Drama. **Three hours.**

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with modern tendencies in drama; to give him a knowledge of movements and influences which have combined to make our drama what it is today; to familiarize him with the best modern drama and dramatists of all countries; to help him establish some criteria for judging drama.

English 314. The Novel. **Three hours.**

Prerequisites: Freshman English and at least one course in literature.

Purpose: To acquaint the student with some of the choicest fiction of England and America, to interest him in that of other countries, and to raise the level of his taste in novels.

Topics: The development of the novel in England and America; the distinction between the romance and the psychological novel, and the place of each in our reading; some characteristics of harmful and worthless fiction; some tendencies of present-day novelists.

English 315. (Formerly English 215.) Nineteenth Century Essayists. **Two hours.**

Prerequisites: Freshman English and at least one course in literature.

Purpose: To familiarize the teacher with the work of the great essayists of the nineteenth century, and to show how varied was the thought for which the essay was the vehicle of expression.

Topics: This course includes a study of representative essays of the leading English and American essayists of the nineteenth century, with attention on the types of essays, and the literary, social, political, and religious or moral ideals set forth in the essays; an analysis of the prose style of some of the essayists; oral and written reports.

English 317. (Formerly English 217.) Contemporary Literature. **Three hours.**

Prerequisites: Freshman English and at least one course in literature.

Purpose: The purpose of this course is to acquaint the student with the literary tendencies of the last decade and to foster a discriminating attitude toward current literature.

Topics: New names, new influences, and new trends, and the relation of these to former periods in the development of literature; the relative importance of old and new books; the proper emphasis upon literature of escape and that of self-realization; the

evaluation of current literature; advantages and limitations of book-review and commercial organizations designed to assist in the selection of new books; the place of newspapers and magazines in our reading during leisure hours. The reading for this course is extensive rather than intensive and is not confined to the literature of any one type nor of any one nation.

English 318. (Formerly English 213.) American Literature. **Three hours.**

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with American life and thought as reflected in the best representative American writers, considered in relation to environmental influences and prevailing literary tendencies from pioneer to recent times; to develop some degree of literary discrimination; to help students select suitable material from this field for the upper grades and high school.

Topics: The pioneer spirit in religious, historical and journalistic writings; literature of the Revolution; statesmanship of the new nation; nineteenth century Romanticism; Transcendentalism; disunion and reunion; growth of a realistic spirit; literature of local color; contemporary literature of realism and revolt; such readings in literary history and biography as may be helpful in an understanding of the literature studies, values and elements of appeal for the upper grades and high school.

English 321. Romantic and Victorian Poets. **Three hours.**

Prerequisites: Freshman English and two courses in literature.

Purpose: To trace the development and culmination of the Romantic Movement and present the various elements that compose it; to familiarize the student with the main characteristics of Victorianism as revealed in its leading poets; to help the student interpret the spirit of these periods through their poetry.

Topics: The rise of Romanticism; Wordsworth and Coleridge; Scott and Southey and Byron; Shelley and Keats; social, religious, industrial and intellectual unrest; the Oxford Movement; the Pre-Raphaelite Brotherhood; Tennyson; the Brownings; Arnold and religious unrest; Swinburne, Morris, and the Rossettis.

English 363. Dramatic Presentation I. **Two hours.**

Purpose: To develop an appreciation of and some skill in creative dramatics.

Topics: The art and technique of acting; the relation of the individual to the role, to the play, and to the director; the value of creative dramatics to the individual and to the group.

English 364. Dramatic Presentation II. **Two hours.**

Prerequisite: English 363.

Purpose: To prepare the student to produce plays in school and community organizations.

Topics: Selecting the play; casting and rehearsing; theory and construction of stage scenery; theory and practice of stage lighting; costuming and make-up; organization of production staff.

English 365. Teaching of High School English. **Two hours.**

Prerequisites: English 218 and 219 or the equivalent. Open to English majors and minors only

Purpose: To acquaint the prospective English teacher with the objectives, materials, methods, and problems of high school English; to give a functional aspect to the topics studied by observing good teaching.

Topics: Objectives of high school English; critical analysis and selection of materials; review and application of educational principles and psychology of learning to the studying and teaching of high school English; different methods and techniques of teaching the various phases of high school English—speech, written composition, grammar, and literature; the studying of teaching by observing good teaching; interrelationship of English to other high school subjects and activities.

English 421. Renaissance and Elizabethan Literature. **Three hours.**

Prerequisites: Freshman English and two courses in literature.

Purpose: To give the student a fuller understanding of the Renaissance movement and of its manifestations in English literature and life, to acquaint him with a large number of writers of the early Renaissance and Elizabethan ages, and to familiarize him with as many as possible of the most important writers and writings.

Topics: The spirit of the Renaissance; the influence of Italian and other continental literatures; the early English humanists; Elizabethan enthusiasm; Elizabethan language; new literary influences; chief literary forms; Spencer, Sidney, Bacon, Marlowe, Shakespeare, Ben Jonson; other dramatists and lyrists.

English 423. (Formerly English 323.) Milton and the Puritan Period. **Two hours.**

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with the poetic genius, philosophy, and ideals of Milton; to present the whole body of his poetry; to present the Puritan Age as a whole.

Topics: The course includes a study of the life of Milton as it affected his writing; his earlier poetry; the development of his genius; the great epic *Paradise Lost* and its interpretation; *Paradise Regained* and *Samson Agonistes*; other writers of the period.

English 424. (Formerly English 324.) Chaucer and Medieval Story. **Two hours.**

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with the rich field of narrative literature of the Middle Ages, and to show how much of this literature is illustrated in the poetry of Chaucer.

Topics: The course consists chiefly of a study of the various types of medieval story—the folk-epic, the beast tale, the metrical

romance, the fabliau, the saint's legend, and the ballad; and of the social and moral ideals which they reveal.

English 425. The Age of Classicism. Three hours.

Prerequisites: Freshman English and two courses in literature.

Purpose: To trace the development of the classic spirit in English literature from 1660 to 1784; to study classicism as a literary force; to acquaint the student with the leading expressions of English classicism; to interpret the life and spirit of the period through these writings.

Topics: Social backgrounds of classicism; Restoration drama as a reaction against Puritanism; Dryden and the rise of the critical spirit; French and Graeco-Roman influences; the literary dictatorship of Dr. Johnson; the decay of literary patronage; new tendencies in Thompson, Cowper, Gray, Chatterton, Goldsmith, and Crabbe.

English 435. (Formerly English 335.) Interpretative Reading. Three hours.

Prerequisites: Nine hours of English, including English 163 or its equivalent.

Purpose: To enable teachers to interpret literature in classroom and platform reading, and to prepare them to train their pupils in interpretative reading.

Topics: Types of interpretation; gesture; pantomime; resonance; flexibility range; study of enunciation and pronunciation continued; sources of materials; criteria for selecting readings, for preparing contestants and readers, and for judging contests. Much individual work under careful direction is afforded.

English 441. (Formerly English 341.) History of the English Language. Three hours.

Prerequisite: Two years of work in English toward a major or first minor in English.

Purpose: To acquaint the student with the way the English language developed.

Topics: The family of languages; the Old English period; the Middle English period; modern English; the foreign and native elements in English; history of English vowel sounds; mutation and gradation; the consonants; English inflections; English accent; collateral readings in the less technical works on the English language.

English 461. (Formerly English 361.) Kentucky Literature. Two hours.

Prerequisites: English 101, 102, one survey course.

Purpose: To acquaint the student with the literature produced by Kentucky writers; to relate this literature to American literature in general.

Topics: The economic, political, social, and religious background of the early Kentuckians as expressed in their writings;

ante bellum literature, the influence of the War between the States; the rise of the local color fiction group; the revival of poetry; present-day writers and tendencies; ballads; seventeenth century survivals in the native idiom.

An opportunity will be offered to familiarize the student with the John Wilson Townsend Collection.

FRENCH

Mrs. Murbach

French 101. (Formerly French 151.) Elementary French.
Three hours.

Purpose: To begin the study of the structure of one of the great living languages and to arouse interest in French literature by the early reading of excerpts from the French classics.

Topics: Phonetics, pronunciation, vocabulary, parts of speech, sentence structure, conversation in French on material studied in a reader.

French 102. (Formerly French 152.) Elementary French.
Three hours.

Prerequisite: French 101 or one unit of high school French.

Purpose: To continue the study begun in French 101.

Topics: Continuation of the study of grammar begun in French 101, two hundred pages of reading material serving as basis for oral work.

French 201. (Formerly French 251.) Intermediate French.
Three hours.

Prerequisites: French 101 and 102 or two units of high school French.

Purpose: To increase skill in translating and writing French and in comprehending and using the spoken French.

Topics: Grammar review, short history of French literature, and translation of news items in a French newspaper.

French 202. (Formerly French 252.) Intermediate French.
Three hours.

Prerequisite: French 201 or three units of high school French.

Purpose: To continue the study begun in French 201.

Topics: Grammar review, French newspaper, and the French classics.

French 301. (Formerly French 254.) French Prose Classics.
Three hours.

Prerequisite: Two years of college French or the equivalent.

Purpose: To develop power to read French rapidly, to increase facility in the use of spoken French, and to add to the student's knowledge of French literature.

Topics: "Intensive" reading of a number of French prose classics with emphasis on the language structure, and "extensive" reading of works by representative prose writers from the Middle Ages to the nineteenth century.

French 302. (Formerly French 255.) French Prose Classics. **Three hours.**

Prerequisite: French 301 or its equivalent.

Purpose: To continue the study begun in French 301.

Topics: Study of selected prose works of the nineteenth and twentieth centuries.

French 401. French Drama and Poetry. **Three hours.**

Prerequisite: Two years of college French or its equivalent.

Purpose: To follow the rich stream of French drama and poetry from the Middle Ages to the nineteenth century, and to develop the student's capacity to express his opinions in French on the works which he is studying.

Topics: The medieval period, the Renaissance, the Golden Age, the critical eighteenth century.

French 402. French Drama and Poetry. **Three hours.**

Prerequisite: French 401, or its equivalent.

Purpose: To continue the study begun in French 401.

Topics: Romanticism, realism, the Parnassus school, symbolism, and contemporary tendencies in poetry and drama.

French 403. (Formerly French 350.) French Seminar. **Three hours.**

Prerequisite: Eighteen hours college French.

Purpose: This course is designed to round out as much as possible the major work in French, giving a view of the subject as a whole, supplementing at points which have, of necessity, been neglected and discussing problems for study in the future as the student goes into the teaching field or the graduate school.

Topics: (a) Review of the great schools of prose, drama and poetry; (b) wide readings in contemporary literature; (c) conversation in the salon manner on problems of interest to the language student.

French 404. Advanced French Grammar and Composition. **Three hours.**

Purpose: The aim of this course is to review the techniques of French composition, and to encourage independent writing on the part of the student.

Topics: (a) Review of phonetics and grammar, (b) compositions on assigned subjects in French literature.

LATIN

Miss Rush

Latin 115. Elementary Latin. Three hours.

Not open to students who presented Latin for college entrance.

Purpose: This course is organized to meet the need of those students who have had no Latin in high school and wish to begin the study of it in college that they may acquaint themselves with the mechanics of Latin to: (a) satisfy the language requirement for (1) a degree, (2) a major in English, (3) a major in Foreign Language; (b) satisfy premedical or other pre-professional requirements; (c) begin a study of the language for its general cultural value.

Topics: (a) Pronunciation; declension of nouns, adjectives and pronouns; indicatives and infinitives of all conjugations with the simple uses of the subjunctive; (b) acquisition of the fundamental principles of the language and the ability to read simple Latin prose dealing with Roman home life, mythology and Roman history.

Latin 116. Intermediate Latin. Three hours.

Prerequisite: One unit of high school Latin or Latin 115.

Purpose: This course is a continuation of Latin 115.

Topics: (a) Selections read in Latin are from Caesar and a wide range of authors of equal difficulties, with a continued emphasis on mastery of vocabulary, inflection, syntax, and their application to English; (b) collateral reading on Roman history and society; (c) training in the understanding of Latin in the Latin order.

Latin 205. Vergil's Aeneid. Three hours.

Prerequisites: Open to students presenting two or three units of Latin for entrance or to those who have completed Latin 115 and 116.

Purpose: (a) To introduce the student to Latin poetry; (b) to give continued practice in the reading and translation of Latin; (c) to develop an appreciation for Vergil's place in Latin literature; the Aeneid, its story, its dramatic setting and background; its influence on later, and especially, English literature; its historical and mythological references.

Topics: (a) Selections from the twelve books of the Aeneid of Vergil; (b) selections from other works of Vergil for comparative study; (c) study of Augustan age; (d) study of metrical form and structure of the poem, scansion and reading of dactylic hexameter; (e) study of some of allusions in English literature to Vergil's Aeneid; along with this work, there is a thorough grounding of the student in the inflections and constructions of Latin.

Latin 301. (Formerly Latin 104.) Selections from Livy.
Three hours.

Prerequisite: Three units of high school Latin or the equivalent.

Purpose: (a) To develop the power of rapid translation for information; (b) to gain first hand acquaintance with the source books of Roman history; (c) to acquire correct pronunciation and habit of reading the original Latin text.

Topics: (a) Survey of Roman history from foundation of Rome to close of second Punic War as related to Livy's History Books, I, XXI, and XXII; (b) assigned readings from such historians as Mommsen, Heitland and others; (c) cursory examination of Livy's source material; (d) comparative study of Rome and Carthage; (e) critical study of Livy's style.

Latin 302. (Formerly Latin 108.) Selections from Horace.
Three hours.

Prerequisite: Three units of high school Latin, or the equivalent.

Purpose: (a) To afford the student a comparative view of the Augustan Age, the most brilliant period of Latin literature; (b) to develop appreciation for the metrical perfection of Horace and his contemporaries; (c) to emphasize as in Latin 301 the value of reading from the Latin text, both for metrical values and pronunciation habits.

Topics: (a) Selected Odes, Epodes and Satires of Horace; (b) selections from Catullus for comparative study; (c) study of Augustan Age, both from a literary point of view and political; (d) study of Horace's personality, point of view and philosophy of life; (e) comparison between the Rome of Horace and the city of today; (f) study of various metres employed by Horace, with special attention to the Greek examples; (g) study of translation for poetic appreciation, with study of English translation of Horace's poems.

Latin 303. The Writing of Latin Prose. **Three hours.**

Prerequisite: Latin 301 or the equivalent.

Purpose: (a) To afford a review of the principles of grammar and syntax; (b) to provide for formation of proper habits of sight reading; (c) the writing of simple Latin prose.

Topics: Selections from the text, "Arnold's Latin Prose". One hour each week is devoted to review of principles of syntax and sight reading and two hours a week to the writing of Latin prose. (Required of all Latin majors.)

Latin 304. The Latin Dramatists. **Three hours.**

Prerequisite: Latin 302, or its equivalent.

Purpose: (a) To acquaint students with the drama of the Romans, (b) to study the source of Latin comedy and influence on

both Latin and modern literature, (c) to develop the power to read Latin.

Topics: Dramas of Plautus, Terence and Seneca. Two plays of Plautus will be studied intensively followed by rapid reading of other representative comedies. One of the tragedies of Seneca will be read.

Latin 401. (Formerly Latin 201.) Latin Prose of the Silver Age. **Three hours.**

Prerequisite: Latin 304, or the equivalent.

Purpose: (a) A continuation of study of Latin literature; (b) translation for information; (c) to supply the student first hand information of this age of Roman life and letters.

Topics: (a) Letters of Pliny the Younger; (b) Tacitus' Agricola; (c) selected readings from other representative writers.

Latin 402. (Formerly Latin 202.) Satire and Epigram. **Three hours.**

Prerequisite: Latin 304 or the equivalent.

Purpose: (a) To develop power to read Latin for content; (b) to develop literary appreciation; (c) to show the student Roman society of the first century, A. D., through contemporary eyes.

Topics: (a) Selected Satires of Juvenal; (b) selected epigrams of Martial; (c) study of development of Satire in Latin literature with assignments from Horace; (d) study of satire in English; (e) study of epigram as a literary expression.

Latin 403. (Formerly Latin 203.) Latin Literature of the Early Empire. **Three hours.**

Prerequisite: Latin 304, or the equivalent.

Purpose: To introduce student into the literature of this, the most brilliant period of Latin literature.

Topics: The Oxford University Press text—selections compiled by A. C. B. Brown. The selections form a connected and contemporaneous discussion of the following subjects: Politics, education, literature, philosophy, social types, and town and country life.

Latin 404. Literature of the Late Republic. **Three hours.**

Prerequisite: Latin 304 or its equivalent.

Purpose: (a) To acquaint the student with the literature of the Ciceronian age, (b) to give an intimate knowledge, through the literature of the time, of the turbulent political and social life of this ill-adjusted period, (c) to give practice in translation for information.

Topics: Prose—Selections from the works of Caesar, Sallust, Nepos, and Cicero with the emphasis on Ciceronian prose as a basis of much of the thinking and writing since his day. Poetry—Selections from works of poets of this age with emphasis on the works of Catullus and Lucretius.

Latin 405. Roman Private Life. Three hours.

Required of Latin majors.

Purpose: To give a knowledge of the life of the Romans in the later Republic and earlier Empire that will serve as a background for teaching of high school Latin and help explain the powerful influence which the Roman nation exerted over the old world and make it easier to understand why that influence is felt today.

Topics: Lectures, discussions and readings on Roman family, home, marriage, education, clothing, food, amusements, travel, religion, town and country life.

SPANISH

Mrs. Murbach

Spanish 101. Elementary Spanish. Three hours.

Purpose: To introduce the student to one of the great modern languages.

Topics: Grammar, pronunciation, reading of easy Spanish.

Spanish 102. Elementary Spanish. Three hours.

Prerequisite: Spanish 101 or one unit of high school Spanish.

Purpose: To continue the study begun in Spanish 101.

Topics: Continuation of the study begun in Spanish 101.

Spanish 201. Intermediate Spanish. Three hours.

Prerequisites: Spanish 101 and 102 or two units of high school Spanish.

Purpose: To widen the student's knowledge of and interest in the Spanish language and the countries where this language is used.

Topics: Review of grammar; reading of several Spanish classics with increased emphasis on the spoken Spanish.

Spanish 202. Intermediate Spanish. Three hours.

Prerequisite: Spanish 201 or three units of high school Spanish.

Purpose: To continue the study begun in Spanish 201.

Topics: Continued study of grammar; increased amounts of intensive and extensive reading; wide use of oral Spanish.

DIVISION OF MATHEMATICS

Mr. Park

Mr. Engle

Mr. Jenkins

Mathematics 107. College Algebra. Three hours.

Purpose: To give thorough and comprehensive instruction in the principles of college algebra.

Topics: Review of high schools algebra, radicals, quadratics, functions and their graphs, advanced topics in quadratic equations, ratio and proportion, variation, progressions, and systems of equations involving quadratics.

Mathematics 108. (Formerly Mathematics 207.) College Algebra. Two hours.

Prerequisite: Mathematics 107.

Purpose: To give instruction in the advanced topics of college algebra.

Topics: This course includes a study of mathematical induction, binomial theorem, theory of equations, permutations and combinations, probability, determinants and partial fractions.

Mathematics 113. (Formerly Mathematics 213.) Trigonometry. Three hours.

Prerequisite: Mathematics 107.

Purpose: To give instruction in the fundamentals of plane trigonometry.

Topics: Functions of acute angles, natural functions, logarithms, solutions of right and oblique triangles, development of formulas, functions in the unit circle.

Mathematics 231. Solid Geometry. Three hours.

Purpose: To acquaint the student with the fundamental theoretical and practical aspects of solid geometry.

Topics: The course deals with the fundamental propositions, problems, and exercises of solid geometry.

Mathematics 232. Analytic Geometry. Five hours.

Prerequisites: Mathematics 107 and 113

Purpose: To give instruction in the principles and applications of analytic geometry.

Topics: This course deals with problems, formulas and exercises relating to straight line, circle, parabola, ellipse, and hyperbola. Attention is also given to polar co-ordinates.

Mathematics 251. (Formerly Mathematics 351.) Differential Calculus. Five hours.

Prerequisites: Mathematics 107, 113 and 232.

Purpose: To teach the fundamental principles, problems and practical applications of differential calculus.

Topics: Theory of limits, differentiation, simple application of the derivative, maxima and minima, differentials, partial differentiation and series.

Mathematics 260. Teachers' Arithmetic. **Three hours.**

Purpose: The aim of this course is to give the student a wide knowledge of the objectives, problems, and methods of teaching arithmetic in the elementary school.

Topics: Aims and objectives of arithmetic, value of problems, assignments, examinations, importance of accuracy and speed, value of drill, games, solution of problems and methods of teaching arithmetic.

Mathematics 321. (Formerly Mathematics 221.) General Astronomy. **Three hours.**

Purpose: To give the student a knowledge and appreciation of the history, principles, importance and content of astronomy.

Topics: This course includes a study of the development of astronomy as a science, the development of the solar system, astronomical instruments, and the better known facts of astronomy.

Mathematics 342. (Formerly Mathematics 341.) Elementary Statistical Methods. **Two hours.**

Purposes: (a) To acquaint the student with the theory and application of statistical methods to actual problems, and (b) to familiarize the student with the use of the graphical methods.

Topics: This course includes a study of the methods of collecting data, methods of tabulation of data, uses and purposes of statistical methods, central tendencies, deviations, correlations, and graphic methods.

Mathematics 352. Integral Calculus. **Three hours.**

Prerequisite: Mathematics 251.

Purpose: To teach the foundation principles, problems and applications of integral calculus

Content: This course includes a study of integrations, definite integrals, integration of rational fractions, reduction formulas and successive integration.

Mathematics 407. (Formerly Mathematics 307.) Theory of Equations. **Three hours.**

Prerequisites: Mathematics 107, 108, 113, 251 or enrollment in 251.

Purpose: To acquaint the student with theory of algebra equations.

Topics: This course includes a study of graphs, complex numbers, cubic equations, quartic equations, determinants, and symmetric functions.

Mathematics 432. College Geometry. **Two hours.**

Prerequisite: Mathematics 232.

Purpose: To give an extension of high school geometry.

Topics: Geometric constructions, properties of the triangle, transversals, and harmonic properties of circles.

Mathematics 442. Mathematical Statistics. Two hours.

Prerequisite: Mathematics 352.

Purpose. To present the mathematical rudiments of elementary statistics.

Topics: Graphs, moments, cumulative frequency, the normal law, correlation, probability and frequency curves.

Mathematics 453. (Formerly Mathematics 353.) Differential Equations. Three hours.

Prerequisite: Mathematics 352.

Purpose: To acquaint the student with the methods of solving the most common types of differential equations.

Topics: The types studied are those of the first and second order, systems of simultaneous equations, and partial differential equations.

Mathematics 454. (Formerly Mathematics 554.) Advanced Calculus. Three hours.

Prerequisite: Mathematics 352.

Purpose: To fulfill the need of a more extensive course than that given in elementary calculus.

Topics: This course covers indeterminate forms, power series, partial differentiation, implicit functions and applications to geometry.

Mathematics 467. (Formerly Mathematics 367.) Teaching of High School Mathematics. Three hours.

Prerequisite: Ten hours of college mathematics or consent of Head of the Department.

Purposes: (a) To give instruction in the aims and importance of high school mathematics; (b) to give the student a knowledge of the development of mathematics and its place in the secondary school; (c) to give instruction in the best methods of teaching high school mathematics.

Topics: Aims of high school mathematics; importance of high school mathematics; history of mathematics; problems of teaching applied to mathematics; methods of teaching algebra, plane and solid geometry, trigonometry, and high school arithmetic; selection of problems; types of examinations and their importance; class instruction as applied to mathematics; importance of assignment and methods of study.

Mathematics 468. The History of Mathematics. Two hours.

Purpose: To present a general view of the development of the elementary branches of mathematics and a brief survey of the growth of higher mathematics from the eighteenth century to the present time.

Topics: The development of mathematical symbolism, the development of mathematical concepts, the contributions of mathematics to the development of civilization.

Mathematics 469. Problems in the Teaching of Mathematics
Two hours.

Purpose: To present specific problems which confront the teacher of secondary mathematics.

Topics: The course of study, organization of materials, methods of teaching various topics of algebra and geometry, the selection of textbooks, the construction and selection of tests.

DIVISION OF SOCIAL SCIENCES

Mr. Kennamer

Mr. Adams

Mr. Burns

Mr. Dorris

Miss Floyd

Mr. Keith

Miss McKinney

Mr. Moore

Mr. Allen

ECONOMICS

Mr. Moore

Economics 124. Economic History of Europe. Three hours.

Purpose: To familiarize the student with the history of the economic activities of the leading nations of Europe. Emphasis is placed upon modern times, but the ancient and the medieval periods are not neglected.

Topics: The history of the development of agriculture, commerce, transportation, industry, labor legislation, socialism, social insurance, population and population trends, and finance in the principal European nations.

Economics 230. (Formerly Economics 125.) Principles of Economics. Three hours.

Purpose: To acquaint the student with the principles of economic theory and to give him an understanding of some of the outstanding industries of the United States.

Topics: The nature and function of industry, the science of economics, wealth, capital, income, specialization, exchange, agents of production, risk, price levels, business cycles, international trade, value, and important industries of the United States.

Economics 231. (Formerly Economics 222.) Principles of Applied Economics. Three hours.

Prerequisite: Economics 230.

Purpose: To acquaint the student with the principles of economic theory, to introduce the student to some of the elementary problems of applied economics, and to familiarize him with some of the outstanding industries of the United States.

Topics: Economic science and its application, consumption and the guidance of industry, wastes in production, unemployment and other forms of idle power, the integration of industry, efficiency in management, industrial unrest and conflict, industrial peace, profit-sharing and joint control in industry, problems of population, efficiency in marketing, the price system and its control, regulation of public utility rates, control of banking in the United States, stabilizing our monetary system, business cycles and their control, free trade and protection, international debts and economic imperialism, the relation between government and industry, government regulation and ownership, financing the government, the

revenue system of the United States, the problem of inequality, agricultural problems, types of economic organization, and important industries of the United States.

Economics 310. (Formerly Economics 210 and 321.) American Economic History. **Two hours.**

Purpose: To give the student an understanding of the economic development of the United States.

Topics: Historical development of commerce, industry, transportation, banking, labor problems, business organization, monetary problems and agriculture in the United States.

Economics 324. (Formerly Economics 224.) Money and Banking. **Three hours.**

Prerequisite: Economics 230.

Purpose: To acquaint the student with the elementary principles and theory of money, and with the theories and practices of banking.

Topics: Nature and functions of money, kinds of money, monetary systems, history of banking, functions of the bank, bank administration, the national banking system, deposits and depositors, the clearing house, domestic and foreign exchange, loans and discounts, bank supervision, savings banks, trust companies, foreign banking systems, and the federal reserve system.

Economics 430. (Formerly Economics 330.) Public Finance. **Two hours.**

Prerequisite: Commerce 230.

Purpose: To give the student an understanding and appreciation of the scope and importance of public finance in the operation of modern governments.

Topics: The meaning and scope of public finance; development of public finance; public expenditures, their classification, growth, and economic effects; public credit, its nature and uses, its forms; financial administration and legislation; the forms of public revenue, the public domain, the industrial domain, administrative revenues, etc.

Economics 431. Taxation. Two hours.

Prerequisites: Economics 230 and Economics 430.

Purpose: To give the student an understanding and appreciation of the principles of taxation in the American local, state and national governments.

Topics: Meaning and development of taxation; some practical requisites of sound taxation; the distribution of the tax burden; means of escape from taxation; tax systems and tax administration; taxes on persons; development and characteristics of poll and income taxes; problems of personal taxation; property taxation; characteristics and problems of property taxation; commodity taxes; taxes on acts and privileges; the taxation of business; sales and other taxes on acts and privileges; inheritance and estate taxes; and some effects of taxation.

GEOGRAPHY

Mr. Kennamer

Miss McKinney

Geography 101. Principles of Geography. **Three hours.** Fee, 50c.

Purposes: (a) To acquaint the student with the tools necessary in geography work, (b) to help the student acquire a geographic vocabulary, (c) to give the student a working knowledge of the basic principles underlying the science of geography.

Topics: The use of maps, globes, tellurians and atlases; the use and interpretation of charts, diagrams and statistics; a brief history of the changing aspects of geography; the nature of human geography; the earth's form and movements, their results and influences upon man; the continents and their influences upon man; human activities in mountains and plains; the influence of the oceans on man; the use of inland waters, man's relation to soil and minerals; man and vegetation in different types of climatic regions; the effects of population density upon standards of living; distribution of the population of the earth.

Geography 202. Climatology. **Three hours.**

Purpose: This course is planned (a) to provide an interpretation of weather conditions and processes, (b) to interpret climatic data and charts, (c) to note the various climatic elements—their distribution and their variations, (d) to study the common climatic types of the world on a regional basis, and (e) to emphasize the human responses to weather and climate.

Topics: Weather and weather observation; elements of climate; climatic regions of the world—a study of climate as affected by the physical factors of sun, mountains, land and water; changes in temperature, pressure, winds—direction and force; humidity; cloud phenomena, precipitation, and the major types of storms; forecasts; the climatic regions of the world; weather conditions and their relation to human activities.

Geography 221. (Formerly Geography 121.) Economic Geography of the Industries. **Three hours.**

Purpose: (a) To give the student a view of the business field, (b) to acquaint the student with the major industries of the world and the principal factors influencing domestic and international trade, (c) to give the student a background for study in international relations and world problems.

Topics: The more important agricultural products—cereals, starch foods, forage crops, vegetable crops, fruit crops, wine industries, sugar, vegetable oils, condiments and tobacco, vegetable fibers, non-food vegetables; the animal food stuffs, animal fibers, furs, skins; the mining industries; manufacturers—aluminum, automobile, copper, chemicals, textiles, leather, iron and steel, paint,

petroleum, rubber, etc.; trade routes, inland in North America and international trade routes; world trade centers.

Geography 271. Geography of North America. **Three hours.**
Prerequisite: Geography 101.

Purpose: An intensive study of English America, designed (a) to give to the students a knowledge of the regional geography of the English speaking countries of North America; (b) to acquaint the student with the place geography of the continent necessary to intelligent reading of newspapers and magazines; (c) to give the student an appreciation of the geographic resources, possibilities and handicaps of the three countries studied.

Topics: The United States as a national unit; the geographic regions of the United States as the Upper Lake Region; the Driftless Area, the Atlantic Coastal Plain, the Piedmont, the Interior Highlands, the Puget Sound Trough, the geographic regions of Canada, as the Great Lakes-St. Lawrence Region; the Prairie Plains and Arctic Meadows, the Pacific Mountain Region; Alaska.

Geography 300. Geography of the South. **Three hours.**

Purpose: The purpose of this course is to give the student an understanding of the economic-geographic development of the South and a survey of its great assets, liabilities, and problems.

Topics: The South, yesterday and today; the advancing South; the physical landscape; the cultural landscape; the major regions; the people of the South; the races and their distribution and problems; transportation facilities; agriculture, its development, its regions, its problems, and possibilities; power resources; mineral wealth, forest resources; manufacturing and industries; comparison of rural and urban communities of the South; the South's future.

Geography 305. (Formerly Geography 205.) Economic and Historical Geology. **Three hours.**

Purpose: This course is planned (a) to familiarize the student with the earth's history as revealed in its rocks; (b) to teach him to correlate the lessons of maps and the rocks.

Topics: The origin of the earth; genesis of ore deposits; evolution of plants and animals; origin of mountains; history and growth of continents; the earth's interior; formation and recognition of common rocks and minerals; architecture of the earth; geologic time table; the geologic eras; the growth of knowledge of the earth; man's place in nature; geology in the service of man applied to industry, and to the larger affairs of men; economic and geologic features of minerals.

Geography 372. (Formerly Geography 272.) Geography of Europe. **Three hours.**

Prerequisite: Geography 101.

Purpose: (a) To make the student thoroughly familiar with the map and political geography of the present European countries;

(b) to give the student an appreciation of the geographic handicaps and advantages of the various European countries; (c) to make the student familiar with the important place geography of Europe.

Topics: (a) The general geographic setting of Europe as a whole; (b) the physiographic climate, economic, and political geography of each of the major countries; (c) European trade and commerce; (d) the geographic advantages and handicaps of the various European countries that have resulted from the changes in boundaries that followed the World War.

Geography 373. (Formerly Geography 273.) Geography of Latin America. **Three hours.**

Prerequisite: Geography 101.

Purpose: The purpose of this course is to give the student an acquaintance with the geography of Mexico, Central America, West Indies and South America that will enable him to understand the economic development of each and to follow intelligently the trend of political events within them.

Topics: International importance of Latin America; growing interest of the United States in Latin America; historical geography of discovery, settlement and development; Caribbean resources; the Panama Canal; South America in world trade; population distribution; transportation facilities; climatic and physiographic regions; economic geography of the Pampas, the Amazon Basin, Central Mexican Plateau; the Llanos, Andean Highlands.

Geography 461. (Formerly Geography 261 and 361.) Materials and Problems in the Teaching of Geography. **Two hours.**

Prerequisite: Six hours of geography.

Purpose: (a) To acquaint the student with the objectives of geography teaching; (b) to acquaint the student with the best materials for this type of work; (c) to give instruction in the best methods of teaching geography in the elementary and junior high schools.

Topics: Objectives in the teaching of geography, evolution and technique of visual aids; standard equipment for geography teaching; presentation of textual materials; the purpose and conduct of local field studies; comparative study of recent courses and texts in geography.

Geography 471. (Formerly Geography 371.) Geography of World Problems. **Three hours.**

Prerequisite: Six hours of geography.

Purpose: The purpose of this course is to study the geographic, economic and historic factors affecting current international problems and to gain thereby the cultural values of world citizenship through an interest in, and knowledge of world affairs.

Topics: Geography and the evolution of nations; the expansion of Europe; European influence in world affairs; economic resources; the British Empire and its many problems—India, Egypt, Ireland, South Africa; Geography and problems of major nations of the Orient; Islamism; Russia, past and present; Europe in Africa; the problems of the Far East.

Geography 473. (Formerly Geography 374.) Geography of Asia. **Three hours.**

Prerequisite: Geography 101.

Purpose: This course is designed to give the student an acquaintance with the geography of all the countries and regions of Asia that will enable him to understand the economic development of each and to follow intelligently the trend of political events within them.

Topics: The structure of Asia; the geography of Asia; the climates of Asia; the vegetation of Asia; the population of Asia; the exploration and exploitation of Asiatic countries by European nations; Asia's position in the world; the agricultural resources of Asia; summary of the economic resources of Asia; Turkey—the threshold of Asia; Arab Asia; the Iranian Plateau; the Indian Empire; Ceylon; Southeastern Asia; the East Indies; China, the Dead Heart of Asia; Japanese Empire; Asiatic Russia; growing interest of the United States in Asia; the geographic advantages and disadvantages.

Geography 474. Geography and Geology of Kentucky. **Two hours.**

Purpose: The purpose of this course is (a) to familiarize the student with the geologic history and structure of Kentucky; (b) the various regional, physical and cultural landscapes of the state; (c) the wide range of physical influences which make up the geographic environment, and (d) the many responses man has made or could make in making a living in the state.

Topics: The Kentucky country; geology; surface and drainage; weather and climate; native vegetation; native animals; native people; the coming of the white man; the soil and its conservation; agriculture; animal industries; mineral resources; manufacturing; transportation; location and growth of cities; Louisville and the cities of the Ohio Basin; other cities; the counties of Kentucky; cultural features of Kentucky—government, education; Kentucky of the future.

Geography 475. Geography of Africa and Australia. **Three hours.**

Prerequisite: Geography 101.

Purpose: This course is designed to give the student an acquaintance with the geography of two continents, Africa and Australia, that will enable him to understand the civilizations, the environment and the human activities of each.

Topics: Structure; physiography; climate; vegetation; population; exploration; exploitation; position in world affairs; agricultural resources; transportation facilities; climatic and physiographic regions; foreign trade and foreign interests, comparisons and contrasts with other continents; the geographic advantages and disadvantages; changes resulting from World War and post-war conditions; present day problems and their geographic background.

Geography 477. (Formerly Geography 377.) Conservation of Natural Resources. **Three hours.**

Purpose: A course of practical value to all citizens and particularly to teachers of future citizens in that it emphasizes thrift and the wise use of all natural resources and condemns waste.

Topics: History of the conservation movement; the forest resources; soil depletion and restoration; the land resources; the fertilizer resources; water origin and supply; water power; irrigation and reclamation; navigation; the mineral resources; the mineral fuels, coal, petroleum, natural gas; the metallic resources, iron, copper, lead, gold, zinc, aluminum, silver, uranium and radium; the human resources; agricultural losses.

GOVERNMENT

Mr. Keith

Mr. Burns

Mr. Dorris

I. AMERICAN GOVERNMENT

Government 111. American Government and Citizenship. **Three hours.**

Purpose: The purpose of this course is to give a general introductory survey of the entire field of American Government and its workings. Teaching of good citizenship is one of the main objects of the course.

Topics: Local, state and national government; organization of the various departments of government with their functions and operation; political organizations and the influence of political parties; ideals of correct organizations of government and its just function.

Government 311. Problems of American Government. **Three hours.**

Prerequisite: Government 111.

Purpose: To teach problems of government; to give the student some idea of the evils consequent to government, with ideals of correct government.

Topics: Problems connected with municipal, state, and national government; newer modes in organization and operation of government; problems connected with the franchise; various

franchises in municipalities and contracts of state and nation; problems of incidence, levy and collection of taxes and appropriation of moneys.

Government 411. International Diplomacy. **Three hours.**

Prerequisite: Government 111

Purpose: To consider the relations among the leading nations of the world.

Topics: Leading negotiations and treaties among the nations together with diplomatic and consular affairs in general.

II. FOREIGN GOVERNMENT

Government 351. English Government. **Three hours.**

Prerequisite: Government 111.

Purpose: To acquaint the student with the government of England and Switzerland and some of the political literature of these nations.

Topics: The rise of governmental institutions of England, and her influence among the nations, kingship, parliament, cabinet, ministry, privy council, and the Swiss system of government and her democracy.

Government 452. (Formerly Government 352.) Foreign Government. **Three hours**

Prerequisite: Government 111.

Purpose: To acquaint the student with the political systems and political writings concerning France, Italy, Germany and Russia, and possibly with some of the newer governments, where time permits.

Topics: Such topics as naturally arise in the study of these governments.

HISTORY

Mr. Keith

Mr. Allen

Mr. Dorris

Mr. Adams

Mr. Burns

Miss Floyd

History 141. History of Western Civilization. **Three hours.**

Purpose: (1) To provide a historical survey of civilization which will serve as a framework or background for subsequent study in fields more restricted in scope, (2) To provide an introduction to the social sciences and related subjects that the student may, early in his college course, come to understand that man and his history can be studied scientifically only in the light of the investigations and researches in archaeology, anthropology, economics, sociology, psychology, et cetera.

Topics: Rise of ancient governments, the city state in Greece, Grecian art and architecture, the rise of imperial government in Rome, the influence of the Roman legal system, the rise of the church and of nations in Europe.

History 142. History of Western Civilization. Three hours.

Purpose: (1) To provide a historical survey of civilization which will serve as a framework or background for subsequent study in fields more restricted in scope, (2) To provide an introduction to the social sciences and related subjects that the student may, early in his college course, come to understand that man and his history can be studied scientifically only in the light of the investigations and researches in archaeology, anthropology, economics, sociology, psychology, et cetera.

Topics: The continued rise of modern states with the development of their governments and political parties, the renaissance and reformation, dynastic and international wars, the rise of labor-capital disputes, the rise and development of the socialist party, the World War and its aftermath.

History 202. American History. Three hours.

Purpose: This is a survey course in American history, designed to familiarize the student with the general content from the discovery to the time of Andrew Jackson. Stress is placed on the bibliography and sources of materials for the study of American History.

Topics: Discovery, exploration, and conquest by nations; colonization; alienation of the colonies from England and eventual revolution; establishment of government and the rise of a powerful nation; the War of 1812; the beginning of the slavery controversy leading to final disruption.

History 203. American History. Three hours.

Purpose: This is a survey course designed to acquaint the student with the general content of American history from the time of Andrew Jackson to the present. Some effort is made to present the subject matter with the best methods of teaching and the literature of the course in mind.

Topics: The slavery contest to the climax in the Civil War, then the story of the negro to the present; the tariff question and its bearing on sectionalism; mechanical inventions; foreign wars; banking and currency; industrialism, and the rise of "Big Business."

History 242. English History to the Stuarts. Three hours.

Purpose: To give the student a general review of the first half of English History with extensive work in the literature concerning it.

Topics: The coming of the Anglo-Saxon, advance toward nationality, the Norman invasion, English feudalism, the Hundred Years' War, legal and political development, the Wars of the Roses and the fall of feudalism, and the Tudor monarchy.

History 301. American History. Two hours.

Prerequisite: History 202 or History 203.

Purpose: This course is designed to bring the study of America from the Civil War to the Present.

Topics: Reconstruction after the Civil War, organized "Big Business," commerce, expansion, imperialism, tariff, foreign relations, current politics.

History 340. (Formerly History 240.) European History from 1300 to 1789. **Three hours.**

Prerequisite: History 141 or 142.

Purpose: To provide a general survey of modern European history.

Topics: Renaissance; Reformation; rise of the national, state and royal absolutism; decline of manorialism; rise of capitalism and the mercantile system; the British revolutions of the 17th century; international rivalries; wars of dynastic and territorial aggrandizement; the age of reason and enlightened despotism.

History 342. (Formerly History 442.) English History from 1714 to the present. **Three hours.**

Prerequisite: History 242.

Purpose: This course is sequential to History 242, and is intended to acquaint the student with the history and historical literature of the period indicated.

Topics: The Hanoverian dynasty, the struggle for empire, development of British Imperialism, parliamentary reforms of the nineteenth century, influence of political parties, England's place in the "Parliament of Men."

History 344. (Formerly History 241.) European History from 1789 to the present. **Three hours.**

Prerequisite: 142 or 340.

Purpose: This course completes the survey of modern European history.

Topics: The French Revolution and Napoleon; intellectual and religious developments; restoration and reaction following the Congress of Vienna; revolutionary and reform movements; nationalism; imperialism; political, social, and economic developments in the major countries; the First World War and its aftermath.

History 400. (Formerly History 300.) Recent and Current World History. **Three hours.**

Prerequisite: History 344.

Purpose: The purpose of this course will be to consider the recent and current history of the leading nations of the world. An attempt will be made to read the newest books and periodicals on the subject.

Topics: Economic, industrial, political, religious affairs of the nations considered.

History 405. (Formerly History 305.) History of the American West, 1763 to 1890. **Three hours.**

Prerequisite: History 202 or History 203.

Purpose: To show the relation of the development of the West to American History.

Topics: Advancement of the American frontier, Indian Wars, irrigation, political relations of the West to the nation, development of democracy, education, territorial acquisitions.

History 406. (Formerly History 306.) History of the American South. **Three hours.**

Prerequisite: History 202 or History 203.

Purpose: This course attempts to acquaint the student with the historical literature and the history of the South in its relation to the Union.

Topics: Settlement, peoples, religion, government, education, social and economic conditions, relations to the North and to foreign nations consequent to slavery, the Civil War, reconstruction, resumption and progress in all lines.

History 440. Modern Germany from 1789 to the Present. **Two hours.**

Prerequisite: History 344.

Purpose: A more intensive study of German history than is possible in History 344.

Topics: Political, social, economic, and intellectual developments; effects of the French Revolution and the Napoleonic Wars; revolutionary movements after the Congress of Vienna; formation of the German Empire; domestic and international developments from 1870 to 1914; the World War; the German Republic and the Hitler Revolution.

History 441. (Formerly History 341.) English History from 1603 to 1714. **Two hours.**

Prerequisite: History 242.

Purpose: To study the Puritan and the English revolutions and to give the English background of American History, together with some attention to historical literature of the period covered.

Topics: The Divine Right of James I and Charles I, religious and financial struggles of the time, parliamentary resistance to the first two Stuarts, the "Roundhead" Rebellion, and Charles II and James II and the English Revolution.

History 443. The French Revolution and Napoleon. **Three hours.**

Prerequisite: History 344

Purpose: To give basis for better understanding of revolutionary and democratic developments in the nineteenth and twentieth centuries.

Topics: A survey of the Old Regime with emphasis on the causes of the Revolution; a detailed study of the Revolution and the Napoleonic Empire.

History 446. (Formerly History 346.) Latin-American History. **Two hours.**

Purpose: The purpose of this course is to acquaint the student with the history and government of the Mexican, Central and South American nations and their relations with the United States.

Topics: History and government of the nations involved.

History 447. History of France since 1815. **Two hours.**

Prerequisite: History 344.

Purpose: A more intensive study of French history than is afforded by History 344.

Topics: The Industrial Revolution and its impact on social and political life; religious, intellectual, and cultural trends; reactionary policies of the Restoration period; the Revolutions of 1830 and 1848; domestic affairs under the Second French Empire and the Third French Republic; French nationalism and imperialism in relation to Franco-German rivalry; factors in the decline of France in recent years.

History 461. (Formerly History 361.) Kentucky History. **Three hours.**

Purpose: To make a general study of Kentucky history, and to attempt to show the student the wealth of material for the study of the Commonwealth's history

Topics: General, social, economic, political history of Kentucky; her influence in the development of American Democracy; her periods of leadership in the nation; her educational system; Kentucky's great men and women; historical sources of Kentucky; occasional excursions to places of historic interest will probably be taken.

SOCIOLOGY

Mr. Ferrell

Mr. Hughes

Mr. Burns

Sociology 143. Rural Sociology. **Three hours.**

Purpose: To study conditions and influences that affect the welfare of rural people.

Topics: Historical background, movements and outstanding problems of rural life; problems and resources of the rural community; community organizations, schools, and churches; the relationship of the school to other agencies of the community; responsibility of the teacher for the improvement and enrichment of rural life; and other problems related to the rural community.

Sociology 331. Introduction to Sociology. **Three hours.**

Purpose: This course is a general survey of introductory sociology.

Topics: Field of sociology and its relation to other social science courses; relation of living conditions to life; the problem of finding and using leaders; social achievements; man's relation to his institutions and his responsibility for them; the family, religion and morals.

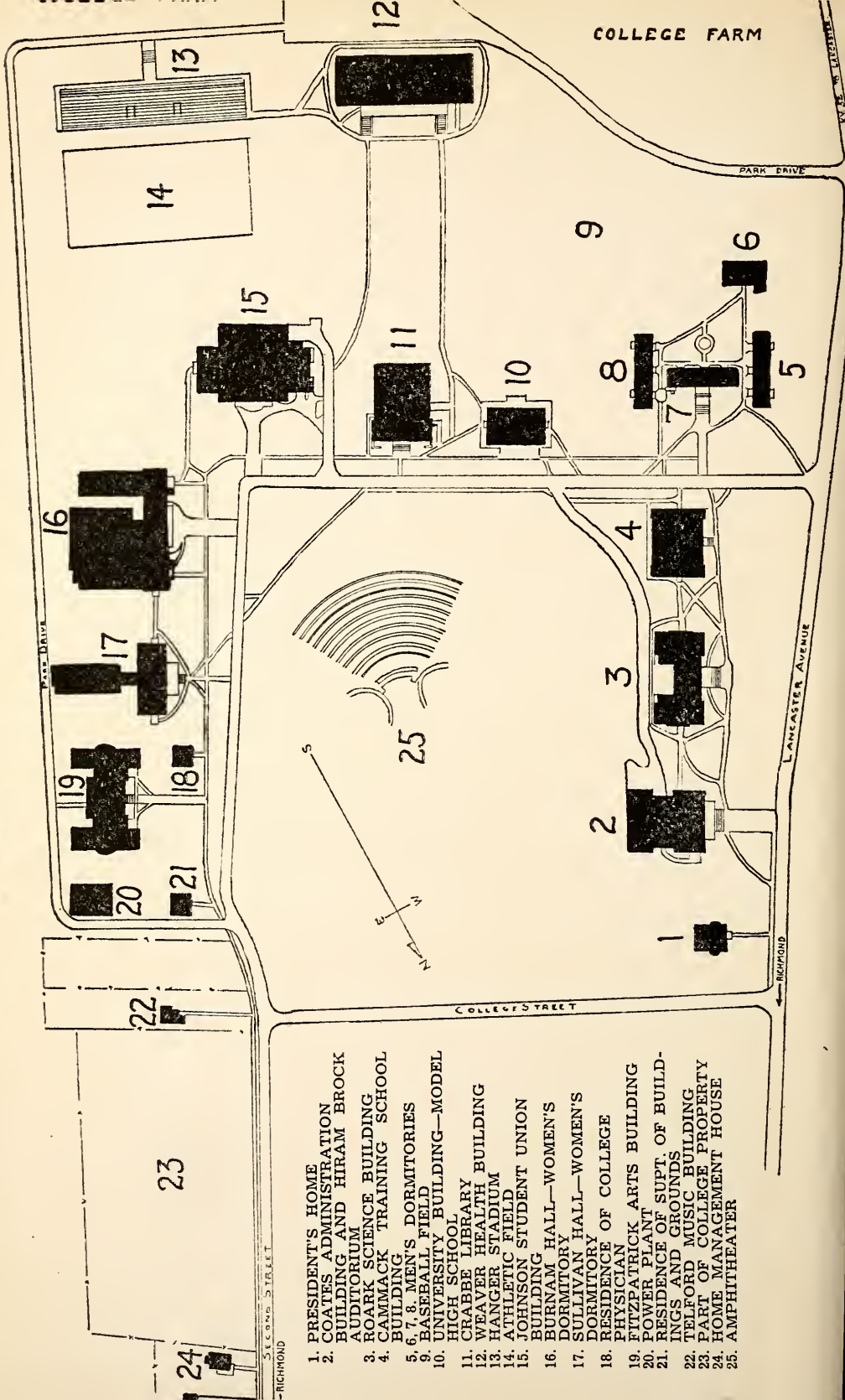
Sociology 332. Current Social Problems. Three hours.

Prerequisite: Sociology 331.

Purpose: To study and interpret the facts about society and to use this knowledge as a basis for suggesting solutions that may contribute to social betterment.

Topics: Crime, poverty, political corruption, unemployment, leisure, social security, conservation, disease, mental defects, mental hygiene, race, marriage, divorce, sex, prostitution, drug addiction, and suicide.

**THE CAMPUS
IN PICTURES**



1. PRESIDENT'S HOME
2. COATES ADMINISTRATION BUILDING AND HIRAM BROCK AUDITORIUM
3. ROARK SCIENCE BUILDING
4. CAMMACK TRAINING SCHOOL BUILDING
- 5, 6, 7, 8. MEN'S DORMITORIES
9. BASEBALL FIELD
10. UNIVERSITY BUILDING—MODEL HIGH SCHOOL
11. CRABBE LIBRARY
12. WEAVER HEALTH BUILDING
13. HANGER STADIUM
14. ATHLETIC FIELD
15. JOHNSON STUDENT UNION BUILDING
16. BURNAM HALL—WOMEN'S DORMITORY
17. SULLIVAN HALL—WOMEN'S DORMITORY
18. RESIDENCE OF COLLEGE PHYSICIAN
19. FITZPATRICK ARTS BUILDING
20. POWER PLANT
21. RESIDENCE OF SUPT. OF BUILDINGS AND GROUNDS
22. TELFORD MUSIC BUILDING
23. PART OF COLLEGE PROPERTY
24. HOME MANAGEMENT HOUSE
25. AMPHITHEATER

SECOND STREET

—RICHMOND

COLLEGE STREET

← RICHMOND

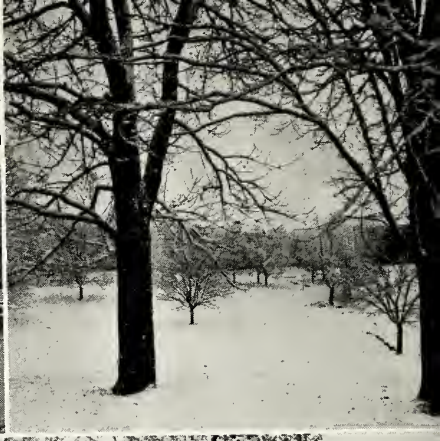
LANCASTER AVENUE

PARK DRIVE

SEE PAGE 10



Administration Building



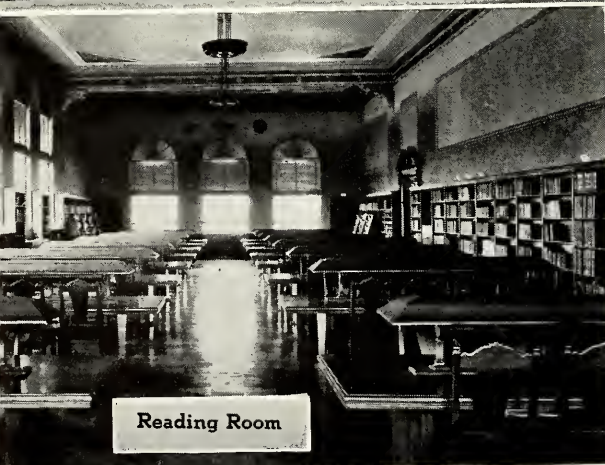
CAMPUS SCENES



Student Union Building



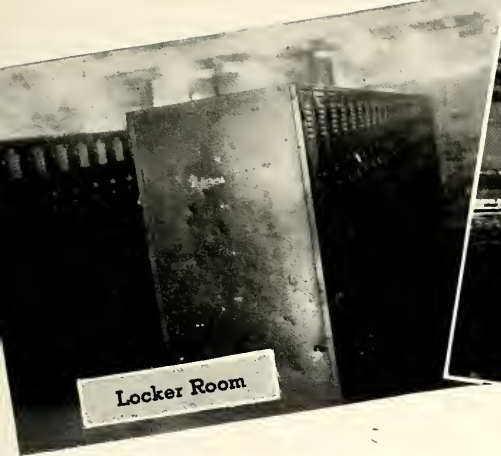
Section of the Kentucky Room



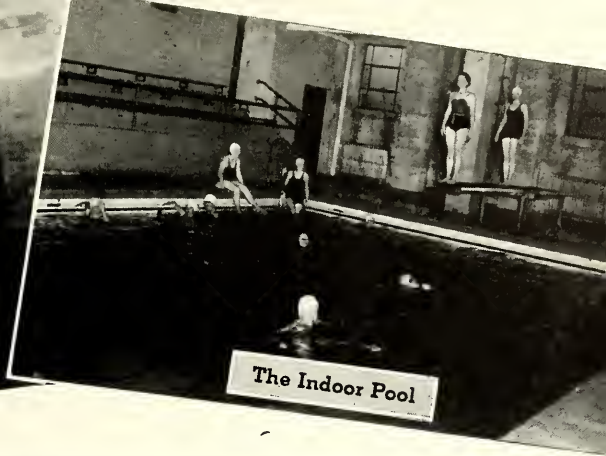
Reading Room



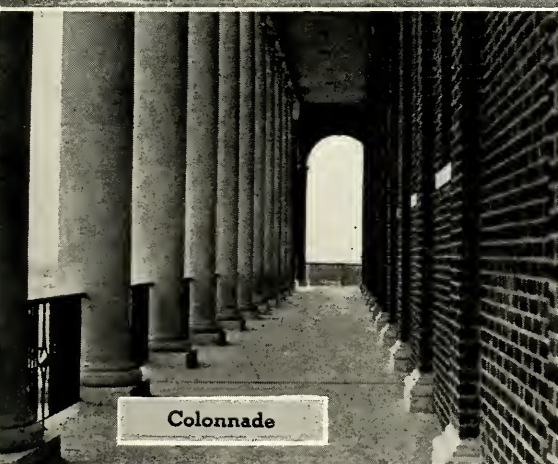
In the Stacks



Locker Room



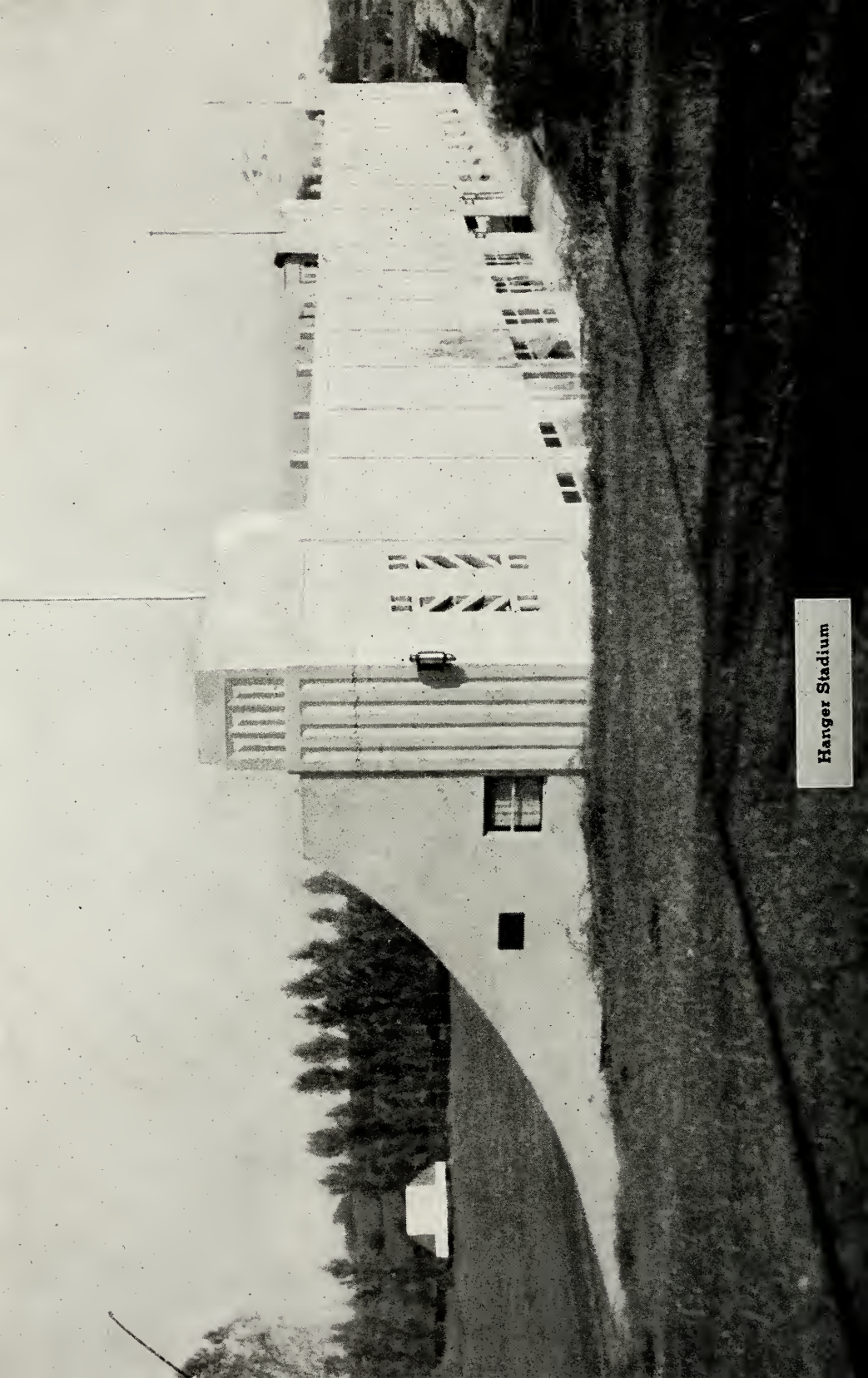
The Indoor Pool



Colonnade



Gym



Hanger Stadium



The Garden

PRESIDENT'S HOME



Sullivan Hall
(Women's Dormitory)



Burnam Hall
(Women's Dormitory)



SPRING



Student Teaching
Elementary School



Student Teaching
High School

Arts Building

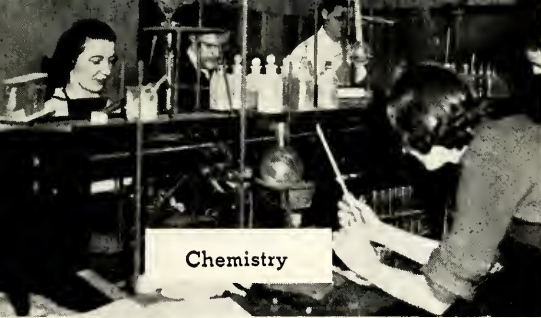


Amphitheater

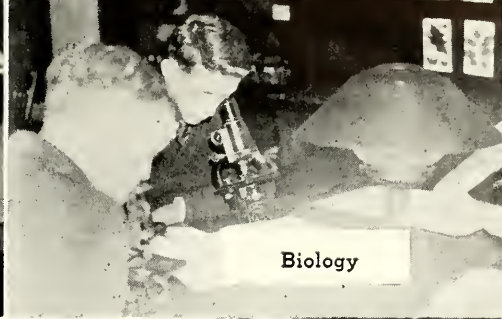




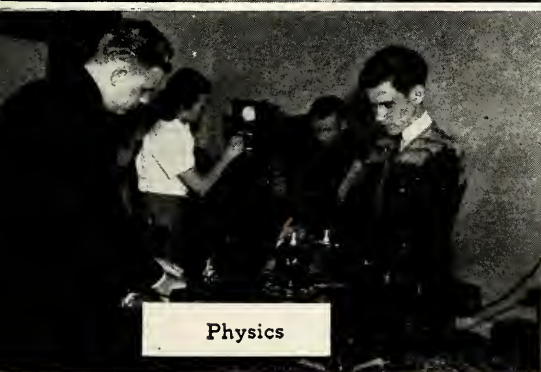
McCreary, Beckham, Miller, and Memorial Halls
(Dormitories for Men)



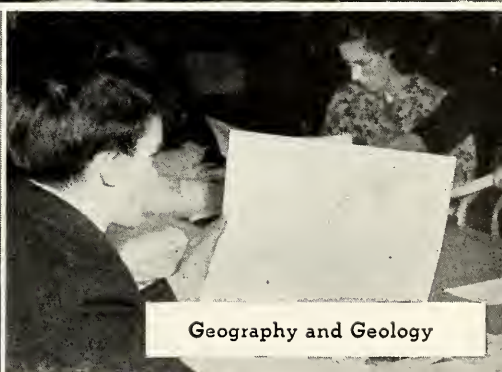
Chemistry



Biology

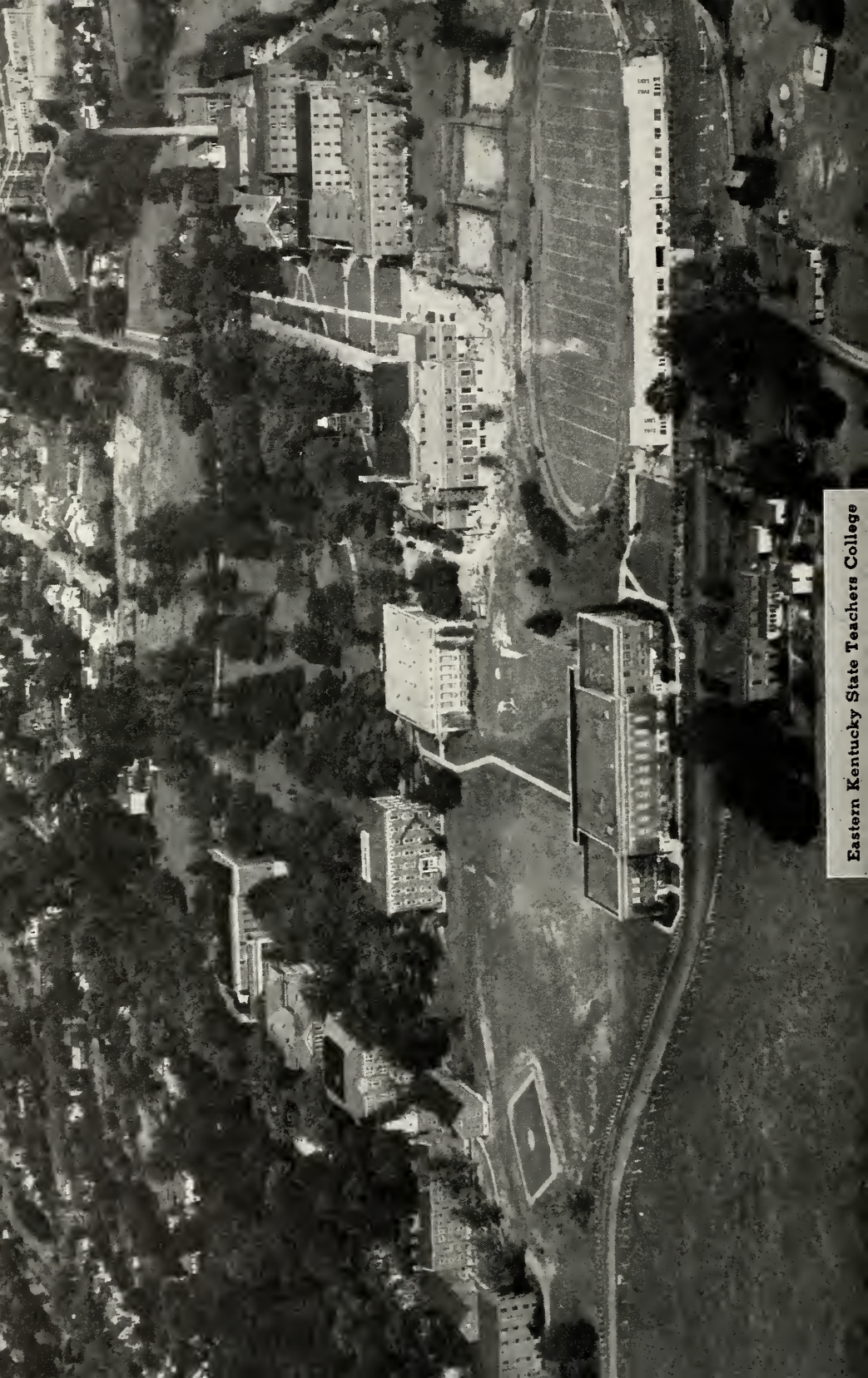


Physics



Geography and Geology

ROARK BUILDING



Eastern Kentucky State Teachers College

